# HCD-XB8

# SERVICE MANUAL

*AEP Model*
*UK Model*
*E Model*
*Australian Model*
*PX Model*

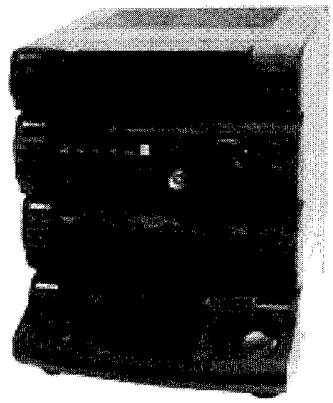

Photo : AEP model

HCD-XB8 is the tuner, deck, CD and amplifier section in LBT-XB8AV.

This stereo system is equipped with the Dolby Pro Logic Surround system* and the Dolby B-type noise reduction system.

* Manufactured under license from Dolby Laboratories Licensing Corporation.

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| | | |
|---|---|---|
| CD SECTION | Model Name Using Similar Mechanism | HCD-D670AV/N555AV |
| | CD Mechanism Type | CDM37L-5BD29AL |
| | Base Unit Type | BU-5BD29AL |
| | Optical Pick-up Type | KSS-213D/Q-NP |
| TAPE DECK SECTION | Model Name Using Similar Mechanism | HCD-D670AV/N555AV |
| | Tape Transport Mechanism Type | TCM-220WP2 |

## SPECIFICATIONS

### Amplifier section (AEP, UK, East European, CIS model)

DIN power outputs
FRONT SPEAKER: 100 + 100 watts (8 ohms at 1 kHz, DIN)
CENTER SPEAKER: 35 watts (8 ohms at 1 kHz, DIN)
REAR SPEAKER: 17.5 + 17.5 watts (16 ohms at 1 kHz, DIN)

Continuous RMS power outputs
FRONT SPEAKER: 120 + 120 watts (8 ohms at 1 kHz, 10% THD)
CENTER SPEAKER: 42 watts (8 ohms at 1 kHz, 10% THD)
REAR SPEAKER: 21 + 21 watts (16 ohms at 1 kHz, 10% THD)

Music power outputs
FRONT SPEAKER: 210 + 210 watts (8 ohms at 1 kHz, 10% THD)
CENTER SPEAKER: 70 watts (8 ohms at 1 kHz, 10% THD)
REAR SPEAKER: 35 + 35 watts (16 ohms at 1 kHz, 10% THD)

Inputs
PHONO IN (phono jacks): sensitivity 3 mV, impedance 47 kilohms
VIDEO (AUDIO) IN (phono jacks): sensitivity 250 mV, impedance 47 kilohms
MIX MIC (phone jack): sensitivity 1 mV, impedance 10 kilohms

Outputs
PHONES (stereo phone jack): accepts headphones of 8 ohms or more
FRONT SPEAKER: accepts impedance of 8 to 16 ohms
SURROUND SPEAKER CENTER: accepts impedance of 8 to 16 ohms
SURROUND SPEAKER REAR: accepts impedance of 16 ohms

### Amplifier section (Other model)

Peak music power output
1,500 watts

Continuous RMS power output
FRONT SPEAKER: 100 + 100 watts (8 ohms at 1 kHz, 10% THD)
CENTER SPEAKER: 25 watts (8 ohms at 1kHz, 10% THD)
REAR SPEAKER: 12.5 + 12.5 watts (16 ohms at 1kHz, 10% THD)

Inputs
PHONO IN (phono jacks): sensitivity 3 mV, impedance 47 kilohms
VIDEO (AUDIO) IN (phono jacks): sensitivity 250 mV, impedance 47 kilohms
MIX MIC (phone jack): sensitivity 1 mV, impedance 10 kilohms

Outputs
PHONES (stereo phone jack): accepts headphones of 8 ohms or more
FRONT SPEAKER: accepts impedance of 8 to 16 ohms
SURROUND SPEAKER CENTER: accepts impedance of 8 to 16 ohms
SURROUND SPEAKER REAR accepts impedance of 16 ohms

— Continued on next page —

## COMPACT DISC DECK RECEIVER

MICROFILM

SONY®

## CD player section

| | |
|---|---|
| System | Compact disc and digital audio system |
| Laser | Semiconductor laser ($\lambda$ = 780 nm) Emission duration: continuous |
| Laser output | Max. 44.6 $\mu$W* * This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture. |
| Wavelength | 780 – 790 nm |
| Frequency response | 2 Hz – 20 kHz (±0.5 dB) |
| Signal-to-noise ratio | More than 90 dB |
| Dynamic range | More than 90 dB |

## Tape player section

| | |
|---|---|
| Recording system | 4-track 2-channel stereo |
| Frequency response (DOLBY NR OFF) | 60 – 13,000 Hz (±3 dB), using a Sony TYPE I cassette<br>60 – 14,000 Hz (±3 dB), using a Sony TYPE II cassette |
| Wow and flutter | ±0.15% W. Peak (IEC)<br>0.1% W. RMS (NAB)<br>±0.2% W. Peak (DIN) |

## Tuner section

FM stereo, FM/AM superheterodyne tuner

**FM tuner section**

| | |
|---|---|
| Tuning range | |
| (EXCEPT East European, CIS models): | 87.5 – 108.0 MHz (50 kHz step) |
| (East European, CIS models): | |
| FM: | 87.5 – 108.0 MHz (50 kHz step)<br>65.0 – 74.0 MHz (10 kHz step) OIRT |
| UKV: | 65.0 – 74.0 MHz (10 kHz step) POLAR STEREO |
| Aerial | FM wire aerial |
| Aerial terminals | 75 ohm unbalanced |
| Intermediate frequency | 10.7 MHz |

**AM tuner section**

| | |
|---|---|
| Tuning range | |
| (AEP, UK, East European, CIS models): MW: | 531 – 1,602 kHz (with the tuning interval set at 9 kHz) |
| LW: | 153 – 279 kHz (with the tuning interval set at 3 kHz) |
| Mexican models: | 530 – 1,710 kHz (with the tuning interval set at 10 kHz)<br>531 – 1,710 kHz (with the tuning interval set at 9 kHz) |
| Other models: | 531 – 1,602 kHz (with the tuning interval set at 9 kHz)<br>530 – 1,710 kHz (with the tuning interval set at 10 kHz) |
| Aerial | AM loop aerial, External aerial terminal |
| Intermediate frequency | 450 kHz |

## General

| | |
|---|---|
| Power requirements | |
| AEP, UK, East European, CIS models : | 220 – 230 V AC, 50/60 Hz |
| Mexican model: | 120 V AC , 50/60 Hz |
| Australian model: | 220 – 240 V AC, 50/60 Hz |
| Other models: | 110 – 120 V or 220 – 240 V AC, 50/60 Hz Adjustable with voltage selector |
| Power consumption | AEP, UK, East European, CIS models : 270 watts<br>Other models : 240 watts |
| Dimensions (w/h/d) | Approx. 355 × 425 × 435 mm (14 × 16 3/4 × 17 1/4 in) incl. projecting parts and controls |
| Mass | AEP, UK, East European, CIS models : Approx. 13.3 kg (29 lb 5 oz.)<br>Other models : Approx. 12.8 kg |

Design and specifications are subject to change without notice.

**CAUTION**
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

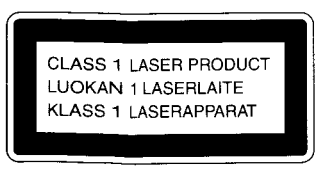
## Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

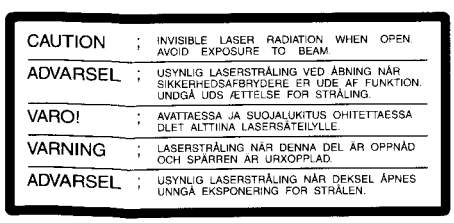
## Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

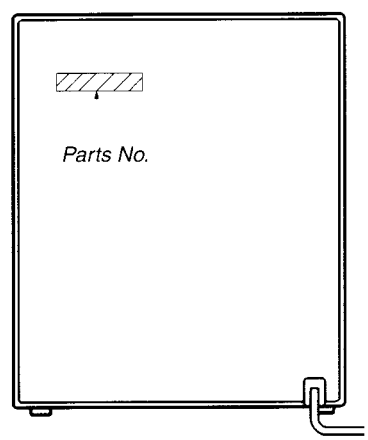



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.


CAUTION ; INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.
ADVARSEL ; USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDS ÆTTELSE FOR STRÅLING.
VARO! ; AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA LASERSÄTEILYLLE.
VARNING ; LASERSTRÅLING NÄR DENNA DEL ÄR OPPNAD OCH SPÄRREN ÄR URKOPPLAD.
ADVARSEL ; USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN.

This caution label is located inside the unit.

## MODEL IDENTIFICATION — BACK PANEL —




| MODEL | PARTS No. |
|---|---|
| AEP, UK model | 4-987-045-0 ☐ |
| EE, CIS model | 4-987-045-2 ☐ |
| E, AR, SAF model | 4-988-222-0 ☐ |
| AUS model | 4-988-222-1 ☐ |
| PX model | 4-988-222-2 ☐ |
| MX model | 4-988-222-3 ☐ |

- Abbreviation
  AUS: Australian model
  AR : Argentine model
  SAF: South Africa model
  MX : Mexican model
  EE : East European model

## NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repain parts.
The flexible board is easily damaged and should be handled with care.

## NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

## LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveform is output three times.

**SAFETY-RELATED COMPONENT WARNING !!**

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

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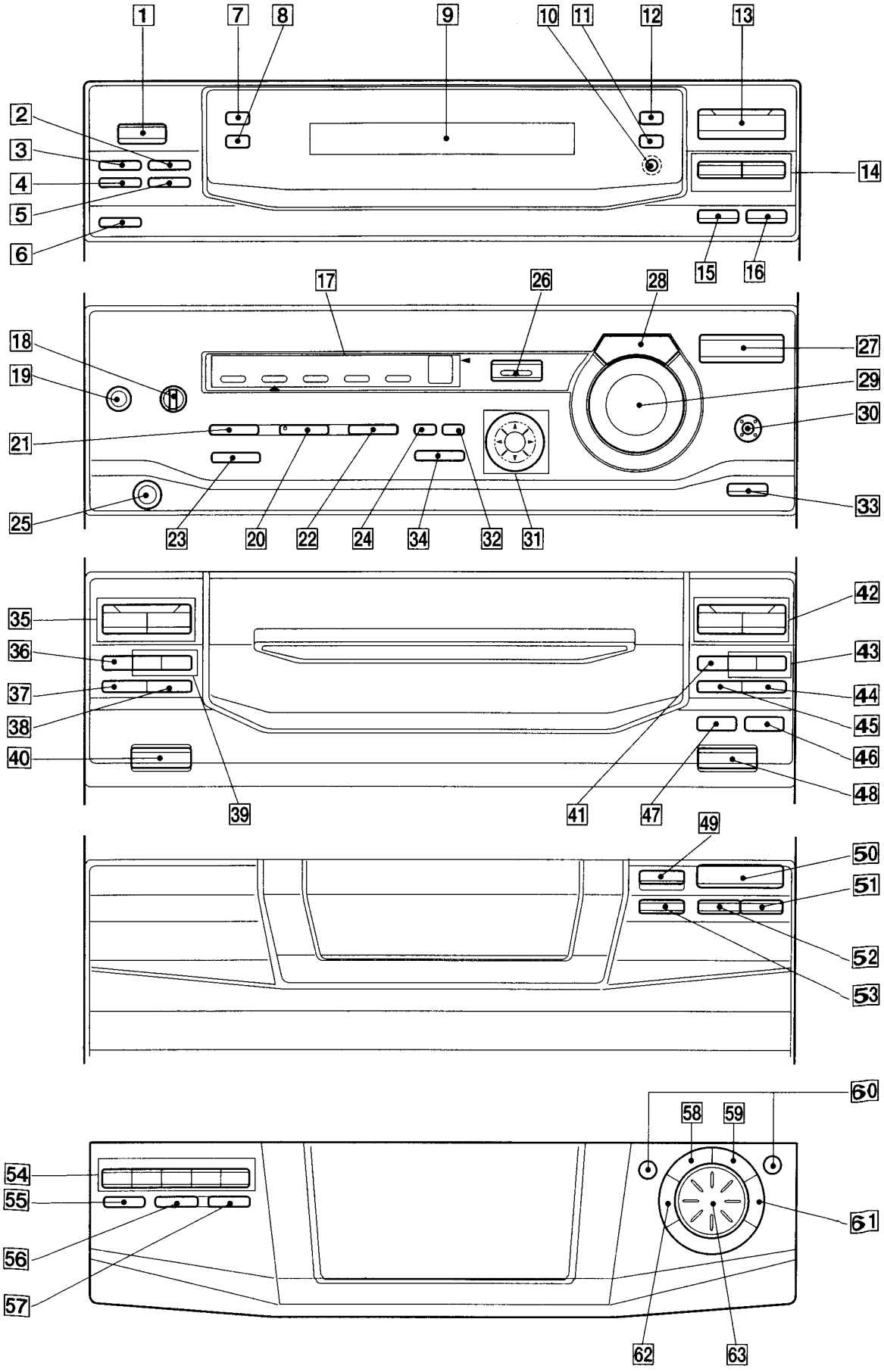
# SECTION 1
# GENERAL

**Front Panel**



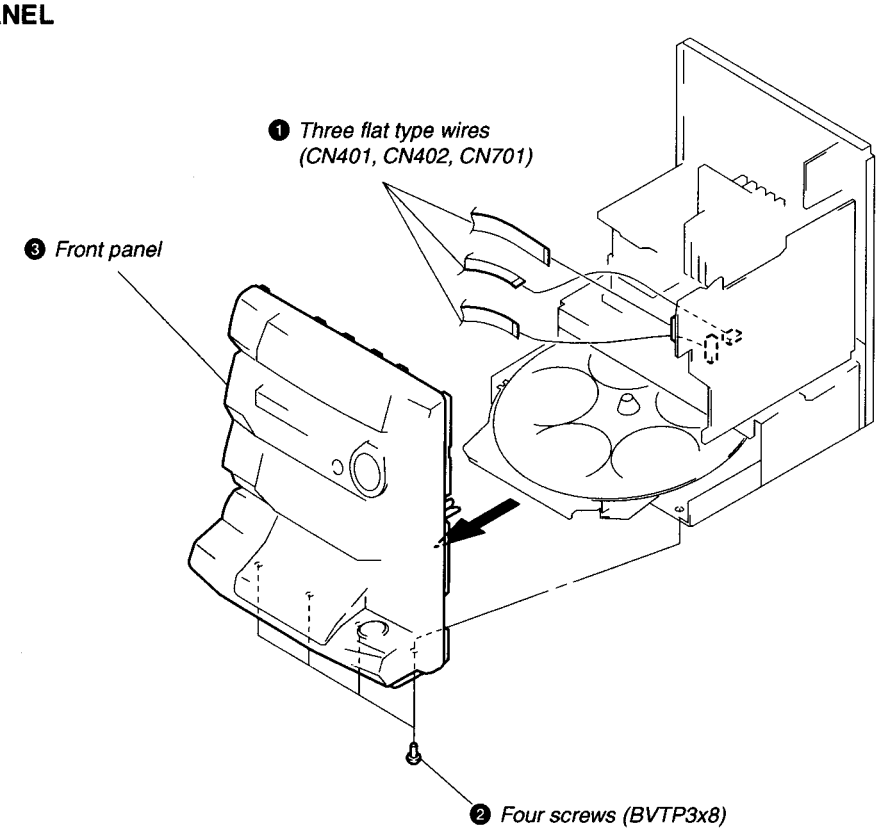
## LOCATION OF PARTS AND CONTROLS

1 POWER button
2 REC button
3 ⏲/CLOCK SET button
4 DAILY 1 button
5 DAILY 2 button
6 SLEEP button
7 DISPLAY/DEMO button
8 SPECTRUM ANALYZER button
9 Display Window
10 ENTER/NEXT button
11 TUNER MEMORY button
12 TUNING MODE button
13 TUNER/BAND button
14 TUNING (+/-) button
15 PTY button
(AEP, UK)
16 STEREO/MONO button
17 Equalizer indicators
18 MIC LEVEL knob
19 MIC jack
20 DSP button
21 WAVE button
22 PROLOGIC button
23 KARAOKE PON/MPX button
24 P FILE MEMORY button
25 PHONES jack
26 EFFECT button
27 FUNCTION button
28 GROOVE button
29 VOLUME control
30 SUPER WOOFER button
31 GEQ control buttons
32 GEQ CONTROL button
33 SUPER W MODE button
34 ENTER button
35 Deck A ◁, ▷ button
36 Deck A ■ button
37 DIRECTION button
38 DOLBY NR button
39 Deck A ◀◀, ▶▶ button
40 Deck A ⏏ EJECT button
41 Deck B ■ button
42 Deck B ◁, ▷ button
43 Deck B ◀◀, ▶▶ button
44 Deck B ● REC button
45 Deck B ❚❚ button
46 CD SYNC button
47 H SPEED DUB button
48 Deck B ⏏ EJECT button
49 ⏏ OPEN button
50 CD ▷ button
51 CD ■ button
52 CD ❚❚ button
53 DISC SKIP button
54 DISC1-DISC5 buttons
55 NON-STOP button
56 LOOP button
57 FLASH button
58 1/ALL DISCS button
59 PLAY MODE button
60 CD ◀◀, ▶▶ button
61 REPEAT button
62 EDIT button
63 ⏮ AMS ⏭ dial

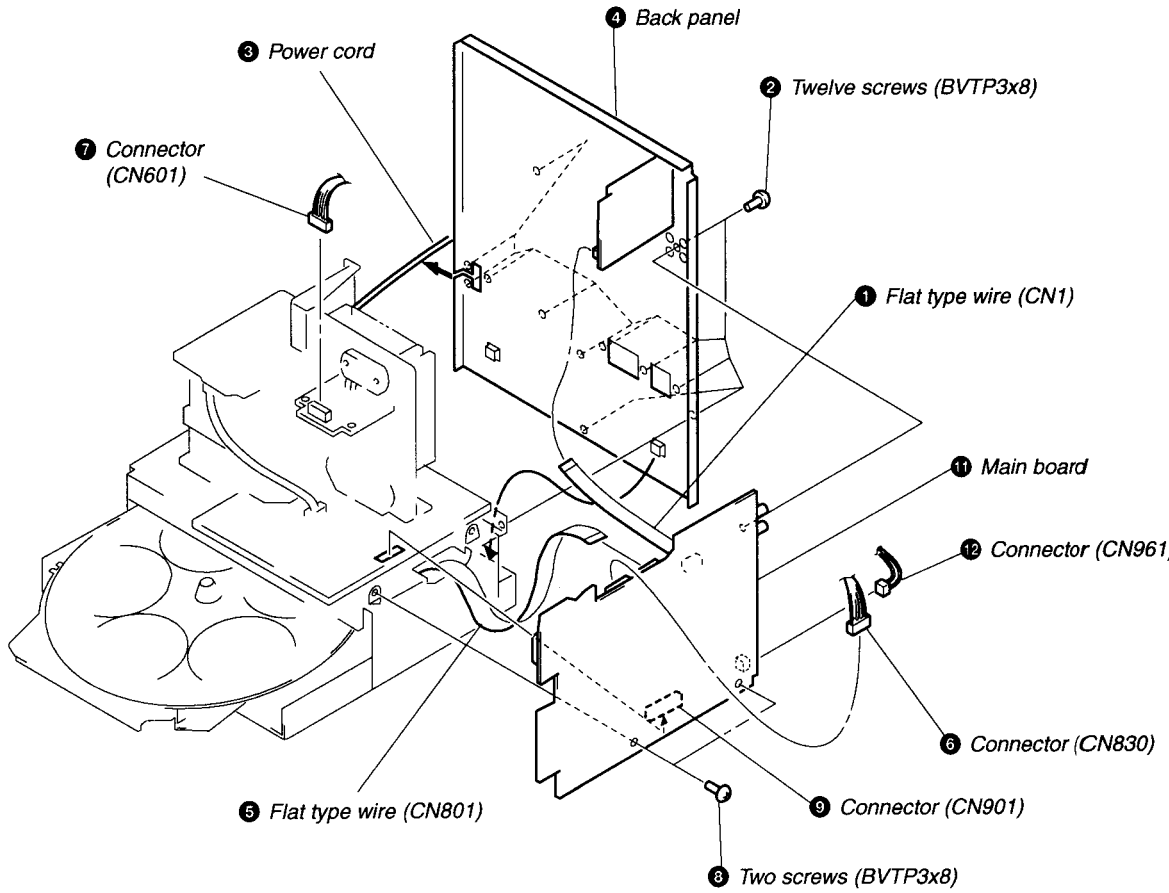
# SECTION 2
# DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

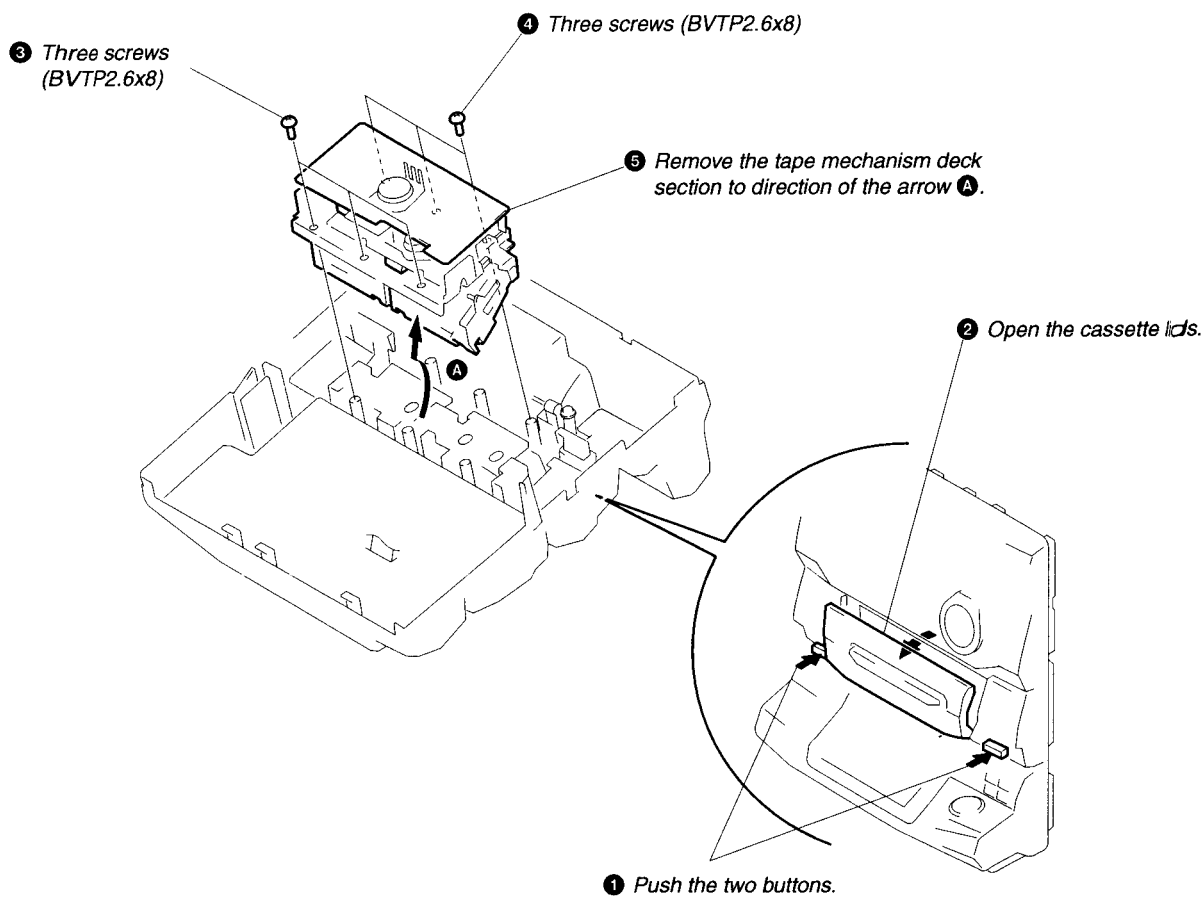
### 2-1. FRONT PANEL



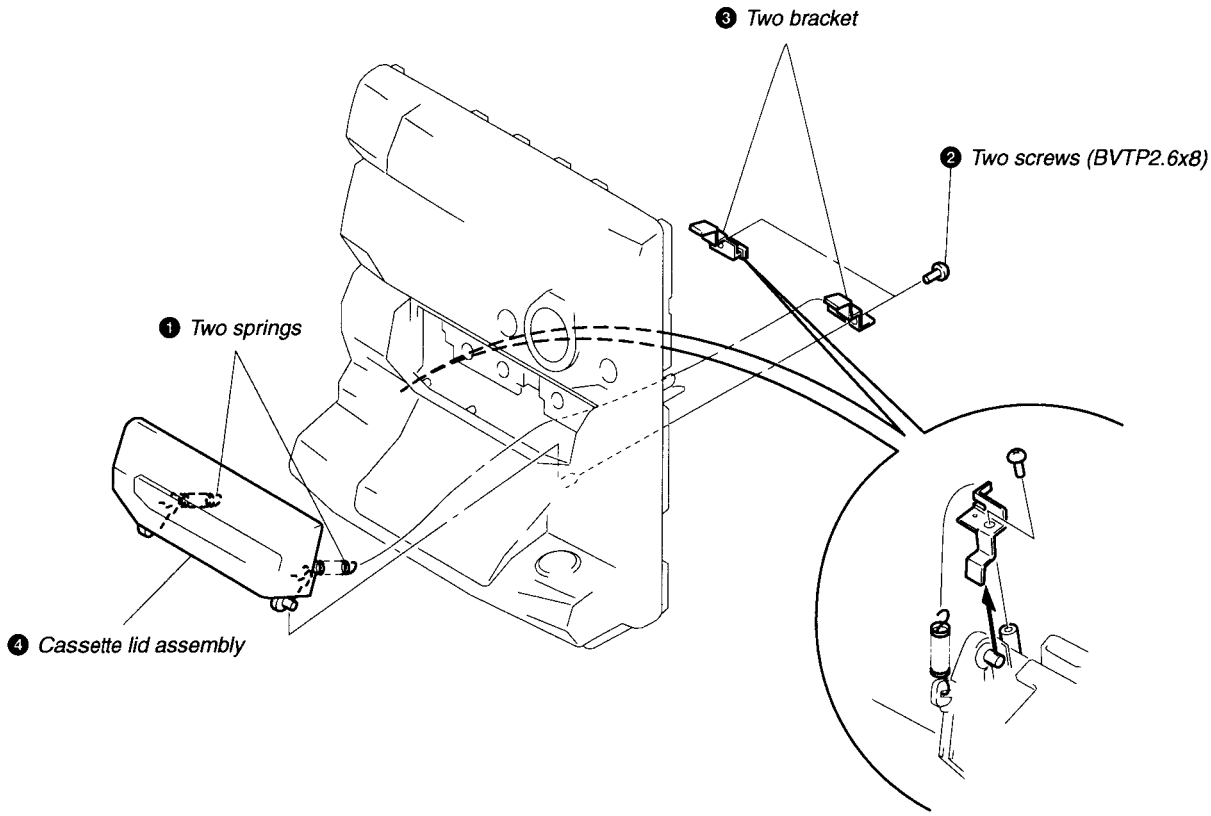
## 2-2. MAIN BOARD



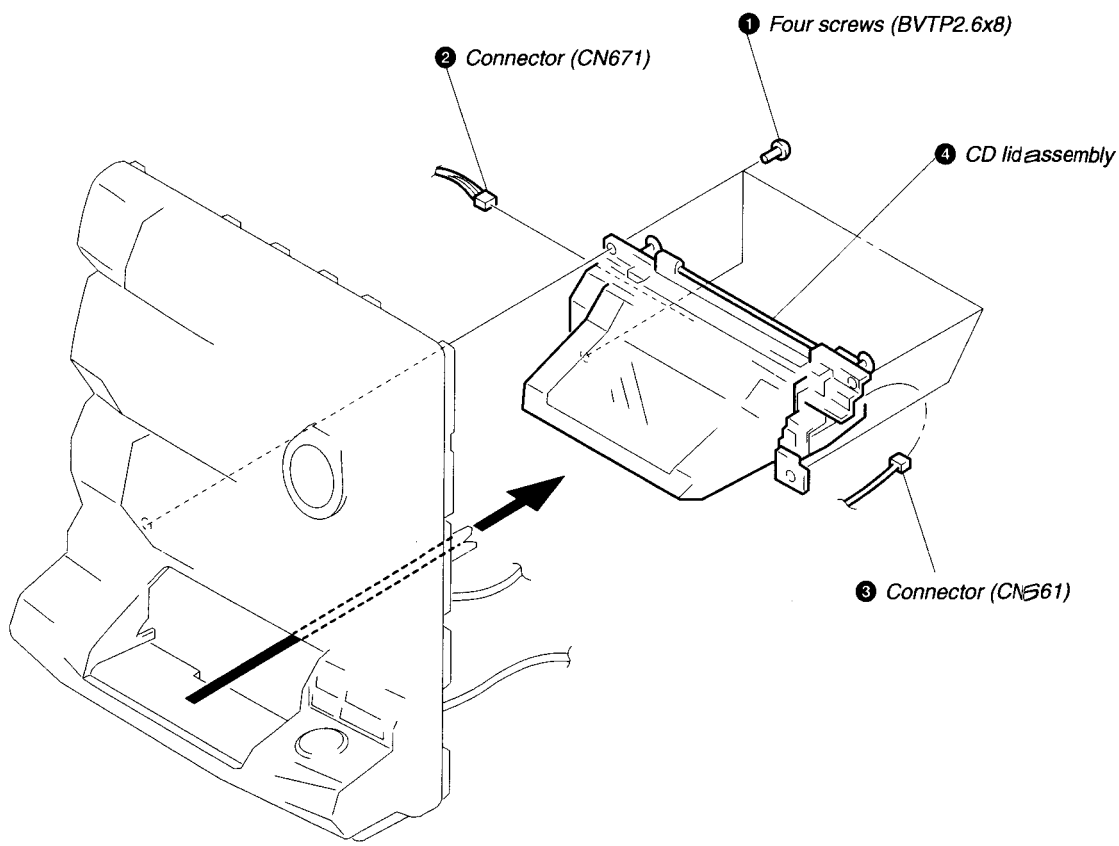

## 2-3. TAPE MECHANISM DECK


❸ Three screws (BVTP2.6x8)
❹ Three screws (BVTP2.6x8)
❺ Remove the tape mechanism deck section to direction of the arrow Ⓐ.
Ⓐ
❷ Open the cassette lids.
❶ Push the two buttons.

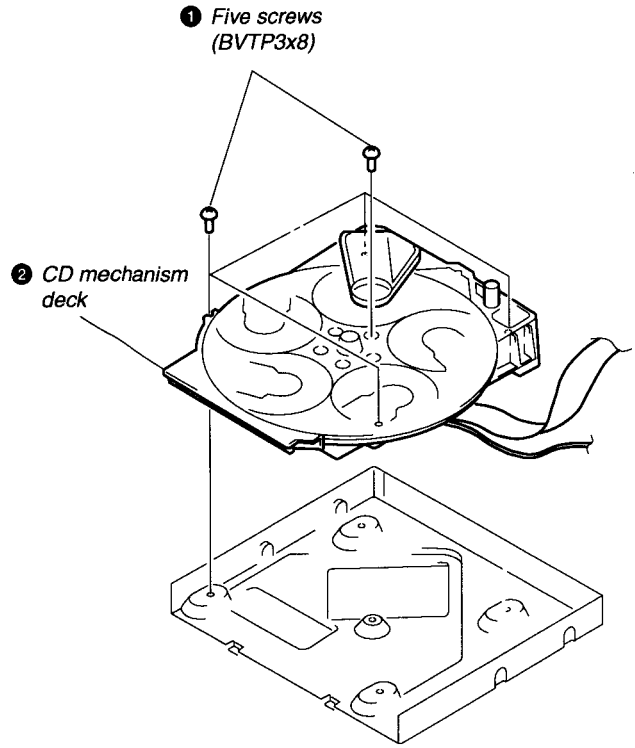
## 2-4. CASSETTE LID ASSEMBLY



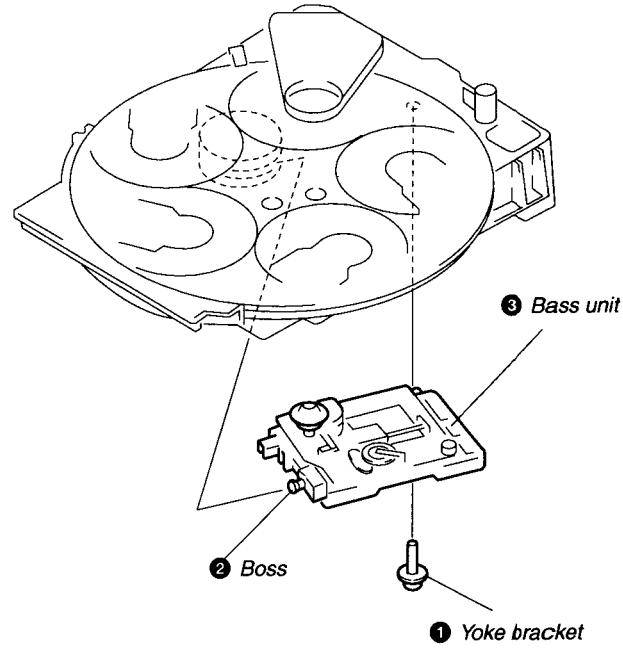

## 2-5. CD LID ASSEMBLY



## 2-6. CD MECHANISM DECK

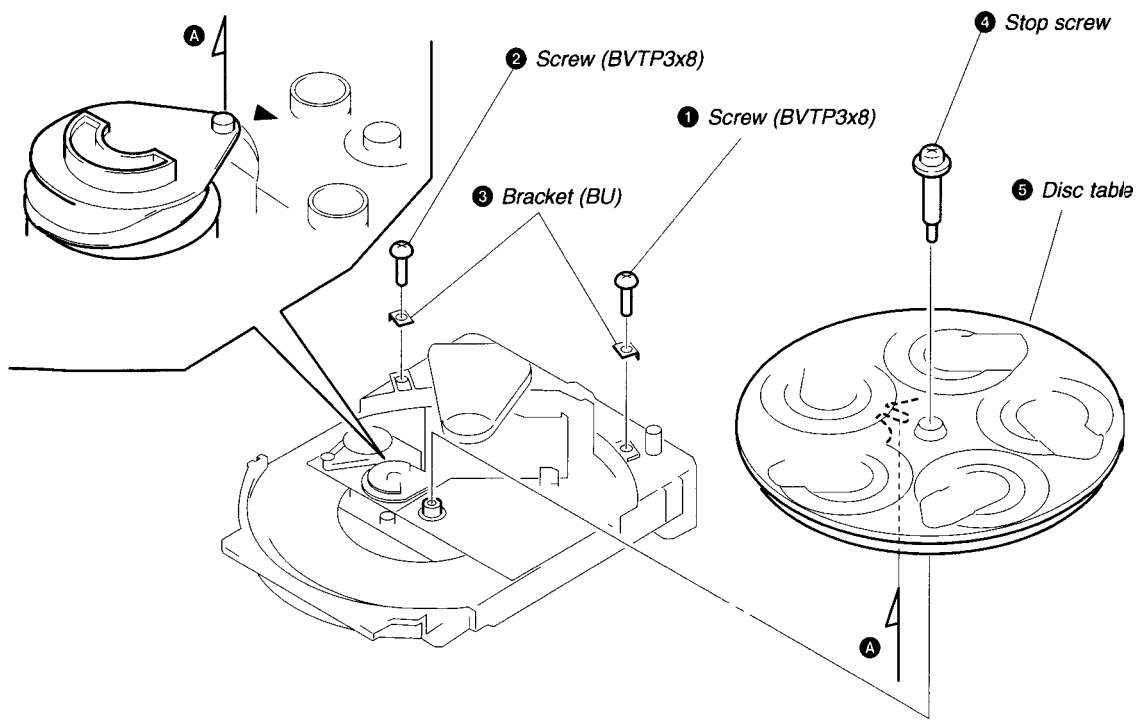



## 2-7. BASE UNIT




## 2-8. DISC TABLE

**Note:**
When the disc table is installed, adjust the positions of roller cam and mark ▶ as shown in the figure, then set to the groove of disc table.



# SECTION 3
# SERVICE MODE

### MC Cold Reset

• The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

**Procedure:**

1. Press three buttons [SPECTRUM ANALYZER], [ENTER], and [DISC 1] simultaneously.
2. The fluorescent indicator tube becomes blank instantaneously, and the set is reset.

### CD Delivery Mode

• This mode moves the pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

**Procedure:**

1. Press [POWER] button to turn the set ON.
2. Press [PLAY MODE] button and [POWER] button simultaneously.
3. A message "LOCK" is displayed on the fluorescent indicator tube, and the CD delivery mode is set.

### MC Hot Reset

• This mode resets the set with the preset data kept stored in the memory. The hot reset mode functions same as if the power cord is plugged in and out.

**Procedure:**

1. Press three buttons [SPECTRUM ANALYZER], [ENTER], and [DISC 2] simultaneously.
2. The fluorescent indicator tube becomes blank instantaneously, and the set is reset.

### Sled Servo Mode

• This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the pick-up.

**Procedure:**

1. Select the function "CD".
2. Press three buttons [SPECTRUM ANALYZER], [ENTER], and [FUNCTION] simultaneously.
3. The Sled Servo mode is selected, if "CD" is blanking on the fluorescent indicator tube.
4. With the CD in stop status, press [▶▶] button in CD section to move the pick-up to outside track, or [◀◀] button to inside track.
5. To exit from this mode, perform as follows:
   1) Move the pick-up to the most inside track.
   2) Press three buttons in the same manner as step 2.

**Note:**

• Always move the pick-up to most inside track when exiting from this mode. Otherwise, a disc will not be unloaded.
• Do not run the sled motor excessively, otherwise the gear can be chipped.

### Change-over of FUNCTION Name

• The FUNCTION name of external input terminal can be changed over to VIDEO or MD. With the FUNCTION selected to "MD", about 5dB mute is applied to the input gain.

**Procedure:**

1. Press [POWER] button to turn the set OFF.
2. Press [POWER] button together with [FUNCTION] button, and the power is turned on, the display of fluorescent indicator tube changes to "MD" or "VIDEO" instantaneously, and thus the FUNCTION is changed over.

### Change-over of AM Tuner Step between 9kHz and 10kHz

• A step of AM channels can be changed over between 9kHz and 10kHz.

**Procedure:**

1. Press [POWER] button to turn the set ON.
2. Select the function "TUNER", and press [TUNER/BAND] button to select the BAND "AM".
3. Press [POWER] button to turn the set OFF.
4. Press [ENTER/NEXT] and [POWER] buttons simultaneously, and the display of fluorescent indicator tube changes to "AM 9k STEP" or "AM 10k STEP", and thus the channel step is changed over.

### LED and Fluorescent Indicator Tube All Lit, Key Check Mode

**Procedure:**

1. Press three buttons [SPECTRUM ANALYZER], [ENTER], and [DISC 3] simultaneously.
2. LEDs and fluorescent indicator tube are all turned on.
   Press [DISC 2] button, and the key check mode is activated.
3. In the key check mode, the fluorescent indicator tube displays "K 1 V0 J0". Each time a button is pressed, "K" value increases. However, once a button is pressed, it is no longer taken into account.
   "J" Value increases like 1, 2, 3 ... if rotating JOG knob in "+" direction, or it decreases like 0, 9, 8 ... if rotating in "-" direction.
   "V" Value increases like 1, 2, 3 ... if rotating [VOLUME] knob in "+" direction, or it decreases like 0, 9, 8 ... if rotating in "-" direction.
4. To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

## Aging Mode

This mode can be used for operation check of CD section and tape deck section.

- If an error occurred:
  The aging operation stops.
- If no error occurs:
  The aging operation continues repeatedly.

### 1. Aging Mode in CD Section

1-1. Operating procedure of Aging Mode

1. Set discs in DISC 1 and DISC 3 trays.
2. Select the function "CD".
3. Press three buttons [SPECTRUM ANALYZER], [ENTER], and [KARAOKE PON/MPX] simultaneously.
4. The aging mode is activated, if a roulette mark on the fluorescent indicator tube is blinking.
5. In the aging mode, the aging is executed in a sequence given in "1-2. Operation during Aging Mode". The aging continues unless an alarm occurred.
6. To exit from the aging mode, press [POWER] button to turn the set OFF.

- If a button other than buttons In CD section is pressed during aging, the aging in the CD section is finished.
- To execute aging to the tape deck section successively, press [▷] button in the deck A. "AGING" is displayed on the fluorescent indicator tube. (For the aging in tape deck, see "2. Aging Mode in Tape Deck Section".

1-2. Operation during aging Mode

In the aging mode, the program is executed in the following sequence.

1. The disc tray turns to select a disc. (For a disc selection sequence, see Section 1-3.)
2. TOC of disc is read.
3. The pick-up accesses to the last track.
4. Steps 1 through 3 are repeated.

1-3. Disc Selection Sequence

- During the aging mode, discs are selected in the following sequence:

Disc 1 → Disc 3
↑ ↓
Disc 3 ← Disc 1

### 2. Aging Mode in Tape Deck Section

2-1. Operating procedure of Aging Mode

1. Load a commercially available 10-minute tape into the decks A and B respectively. (If a 10-minute tape is not available, another tape may be used but a cycle time will be longer.)
2. Select the function "TAPE".
3. Rewind tapes in advance by pressing [◀◀] button respectively on decks A and B.
4. Press three buttons [SPECTRUM ANALYZER], [ENTER], and [KARAOKE PON/MPX] simultaneously.
5. Press [▷] button on deck A. (This button triggers the aging mode.)
6. The aging mode is activated if "AGING A" is displayed on the fluorescent indicator tube.
7. In the aging mode, the aging is executed in a sequence given in "2-2. Operation during Aging Mode". The aging continues unless an alarm occurred.
8. To exit from the aging mode, press [POWER] button to turn the set OFF.

2-2. Operation during Aging Mode

In the aging mode, the program is executed in the following sequence.

1. A tape on FWD side is played for one minute.
2. PAUSE STOP is made.
3. Recording is made for 3 minutes. (For the deck not having the record function, the play is executed.)
4. FF is executed up to the end of tape.
5. A tape is reversed, and the tape on REV side is played for one minute.
6. PAUSE STOP is made.
7. Recording is made for 3 minutes. (For the deck not having the record function, the play is executed.)
8. FF is executed up to the end of tape.
9. Steps 1 through 8 are executed for the other deck.
10. Steps 1 through 9 are repeated unless an alarm occurred.

2-3. Deck Selection Sequence

- During the aging mode, decks are selected in the following sequence:

Deck A (FWD) → Deck A (REV)
↑ ↓
Deck B (REV) ← Deck B (FWD)

# SECTION 4
# MECHANICAL ADJUSTMENTS

### Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:
   record/playback heads — pinch rollers
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

### Torque Measurement

| Torque | Torque meter | Meter reading |
|---|---|---|
| FWD | CQ-102C | 36 to 61 g • cm (0.5 - 0.84 oz • inch) |
| FWD back tension | CQ-102C | 2 to 6 g • cm (0.02 - 0.08 oz • inch) |
| REV | CQ-102RC | 36 to 61 g • cm (0.5 - 0.84 oz • inch) |
| REV back tension | CQ-102RC | 2 to 6 g • cm (0.02 - 0.08 oz • inch) |
| FF/REW | CQ-201B | 61 to 143 g • cm (0.85 - 1.99 oz • inch) |
| FWD tension | CQ-403A | 100 g or more (3.53 oz or more) |
| REV tension | CQ-403R | 100 g or more (3.53 oz or more) |

# SECTION 5
# ELECTRICAL ADJUSTMENTS

**DECK SECTION** **0 dB=0.775V**

1. Demagnetize the record/playback head with a head damagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.
7. Switches and controls should be set as follows unless otherwise specified.

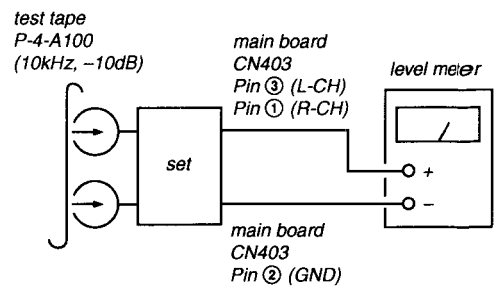
| Tape | Signal | Used for |
|---|---|---|
| P-4-A100 | 10 kHz, –10 dB | Azimuth Adjustment |
| WS-48B | 3 kHz, 0 dB | Tape Speed Adjustment |
| P-4-L300 | 315 Hz, 0 dB | Level Adjustment |

### Record/Playback Head Azimuth Adjustment (Deck A, Deck B)

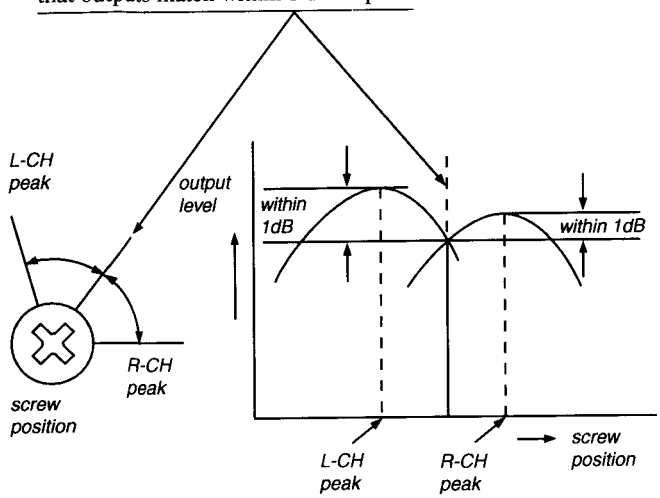
**Note:** Perform this adjustments for both decks.

**Procedure:**

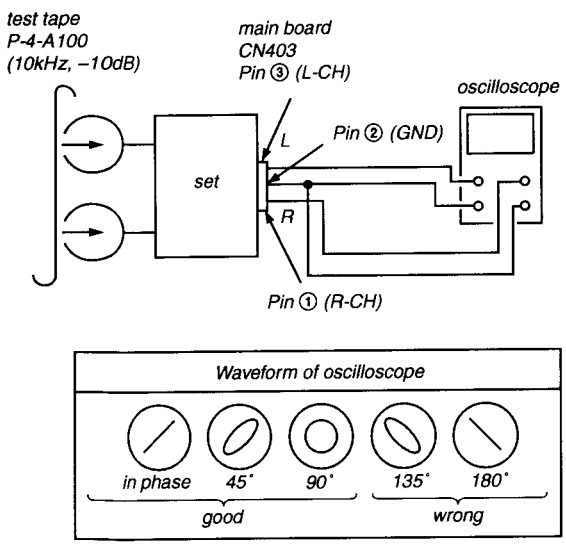
1. Mode : Playback



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.

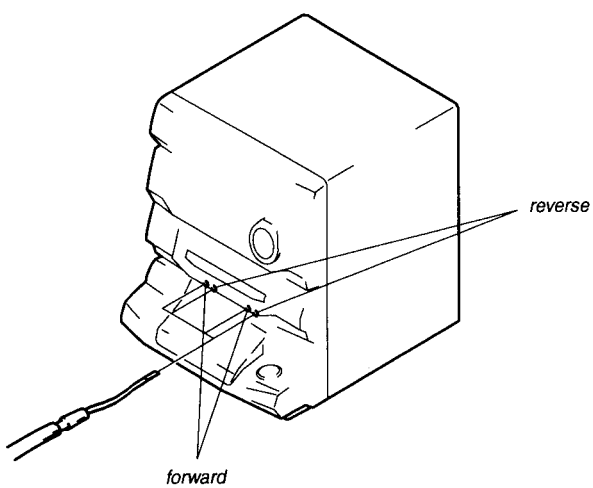



3. Mode: Playback




4. After the adjustments, apply suitable locking compound to the parts adjusted.

**Adjustment Location:** Playback Head (Deck A)
Record/Playback/Erase Head (Deck B)




### Tape Speed Adjustment (Deck A)

**Note:** Set the test mode using the following method and begin tape speed adjustment.
In the test mode, the tape will move at double speed while the [H SPEED DUB.] button is pressed.

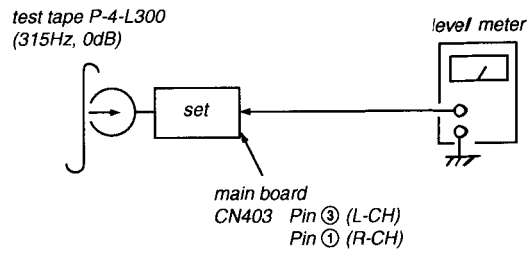
**Procedure :**
With the power turned ON, press the [SPECTRUM ANALYZER] button, [ENTER] button, and [EFFECT] button simultaneously. (The "VOLUME" on the fluorescent display tube will blink while in the test mode.)
To exit the test mode, press the [POWER] button.

1. Load WS-48B into deck A and a recordable tape into deck B.
2. Press the [● REC] button, and press the [▷] button of deck B to set deck B into the recording state.
3. Play deck A.
4. While pressing the [H SPEED DUB.] button, set double speed play.
5. Adjust RV652 of the AUDIO board so that the reading of the frequency counter becomes 6000 ± 30 Hz.
6. Release the [H SPEED DUB.] button to set normal speed play.
7. Adjust RV651 of the AUDIO board so that the reading of the frequency counter becomes 3000 ± 15 Hz.

**Adjustment Location:** AUDIO board

### Playback Level Adjustment (Deck A, Deck B)

**Procedure:**
Mode: Playback




Deck A is RV311 (L-CH) and RV411 (R-CH), deck B is RV301 (L-CH) and RV401 (R-CH)
so that adjustment within the following adjustment level.

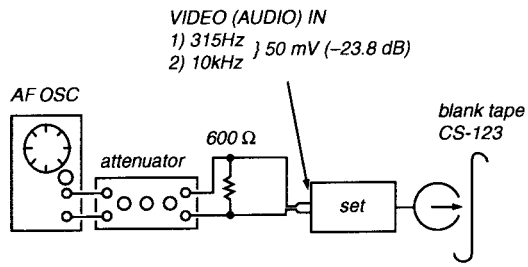
**Adjustment level:**
CN403 playback level: 301.5 to 338.3 mV (−8.2 to −7.2 dB)
level difference between the channels: within ± 0.5 dB
**Adjustment Location:** AUDIO board

## Record Bias Adjustment (Deck B)

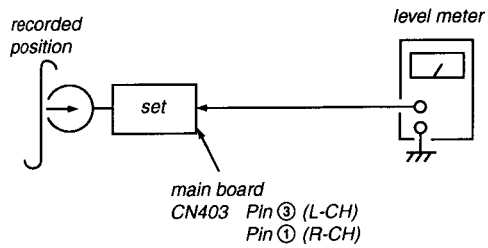
**Procedure:**

INTRODUCTION
When set to the test mode performed in **Tape Speed Adjustment**, when the tape is rewound after recording, the "REC memory mode" which rewinds only the recorded portion and playback is set.
This "REC memory mode" is convenient for performing this adjustment. During recording, the input signal FUNCTION will automatically switch to VIDEO.

1. Press [FUNCTION] button to select VIDEO. (This step is not necessary if the above test mode has already been set.)
2. Load a tape into deck B, and press the [● REC] button.
3. Mode: Record




4. Mode: Playback




5. Confirm playback the signal recorded in step 2 become adjustment level as follows.
   If these levels do not adjustment level, adjust the RV341 (L-CH) and RV441 (R-CH) on the AUDIO board to repeat steps 3 and 4.

**Adjustment level:** The playback output of 10 kHz level difference against 315 Hz reference should be ± 0.5 dB.

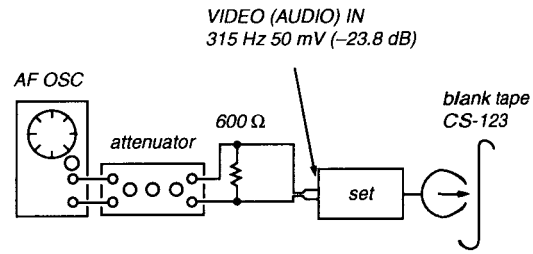
**Adjustment Location:** AUDIO board

## Record Level Adjustment (Deck B)

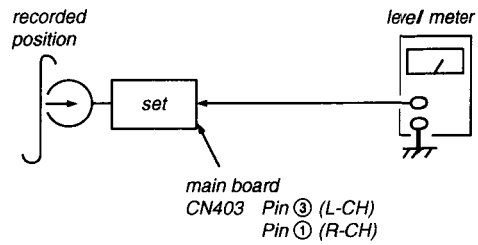
**Procedure:**

INTRODUCTION
When set to the test mode performed in **Tape Speed Adjustment**, when the tape is rewound after recording, the "REC memory mode" which rewinds only the recorded portion and playback is set.
This "REC memory mode" is convenient for performing this adjustment. During recording, the input signal FUNCTION will automatically switch to VIDEO.

1. Press [FUNCTION] button to select VIDEO. (This step is not necessary if the above test mode has already been set.)
2. Load a tape into deck B, and press the [● REC] button.
3. Mode: Record




4. Mode: Playback




5. Confirm playback the signal recorded in step 2 become adjustment level as follows.
   If these levels do not adjustment level, adjust the RV301 (L-CH) and RV351 (R-CH) on the MAIN board to repeat steps 3 and 4.

**Adjustment level:**
CN403 playback level: 47.2 to 53.0 mV (–24.3 to –23.3 dB)

**Adjustment Location:** MAIN board

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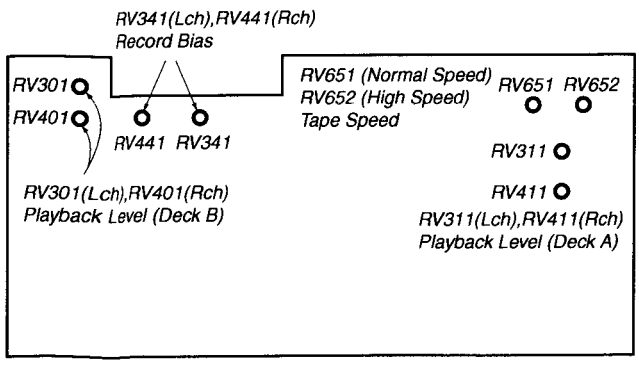
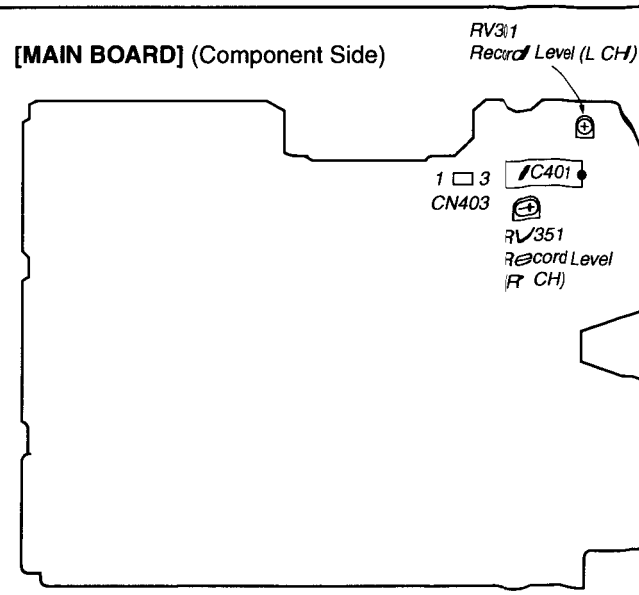
### Adjustment Location
**[AUDIO BOARD]** (Conductor Side)




**[MAIN BOARD]** (Component Side)



## TUNER SECTION | 0dB=1μV

**Note 1:** As a front-end (FE1) is difficult to repair if faulty, replace it with new one.

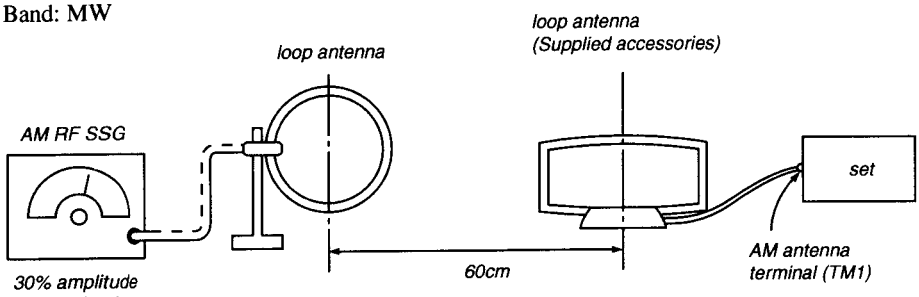
**Note 2:** No adjustment is needed due to a tuner pack for except AEP, UK, East European, CIS models.

### AM Tuned Level Adjustment

**Note:** FM Tuned Level adjustment should be performed after this AM Tuned Level Adjustment.

**Setting:**

Band: MW




*Modulation: 999 kHz (at 9 kHz step)*
*1,050 kHz (at 10 kHz step)*

**Procedure:**

1. Set the output of SSG so that the input level of the set becomes 55 dB or 58 dB. (55 dB : Except East European, CIS model, 58 dB : East European, CIS model)
2. Tune the set to 999 kHz or 1,050 kHz.
3. Adjust RV41 to the point (moment) when the TUNED indicator will change from going off to going on.

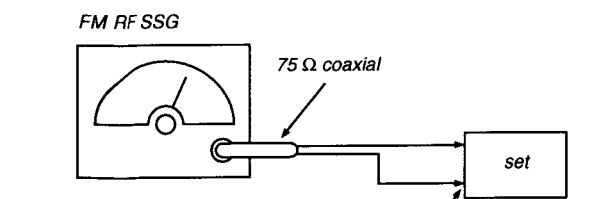
**Adjustment Location:** TCB board

### FM Tuned Level Adjustment

**Note:** This adjustment should be performed after the AM Tuned Level Adjustment.

**Setting:**

Band: FM



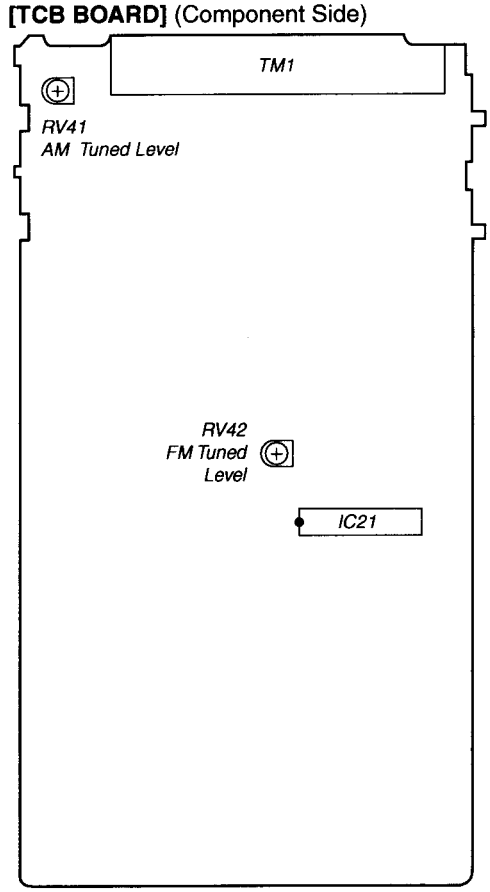

*Carrier frequency: 98MHz*
*Modulation: AUDIO 1kHz, 75kHz deviation (100%)*
*Output level: 25dB (at 75 Ω open) (EXCEPT East European, CIS model)*
*23dB (at 75 Ω open) (East European, CIS model)*

**Procedure:**

1. Supply a 25 dB or 23 dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust RV42 to the point (moment) when the TUNED indicator will change from going off to going on.

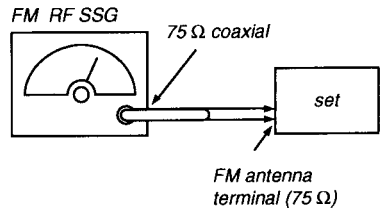
**Adjustment Location:** TCB board

**Adjustment Location**
**[TCB BOARD]** (Component Side)



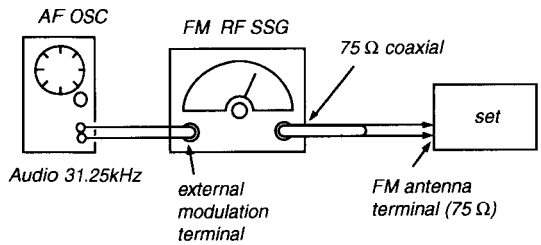
## FM Polar Adjustment (East European, CIS model only)

### Connection 1 :




*Carrier frequency:* 69 MHz
*Output level:* 1 mV (60 dBμ) (at 75 Ω open)
*Modulation:* AUDIO 1 kHz, 10 kHz deviation

### Connection 2 :



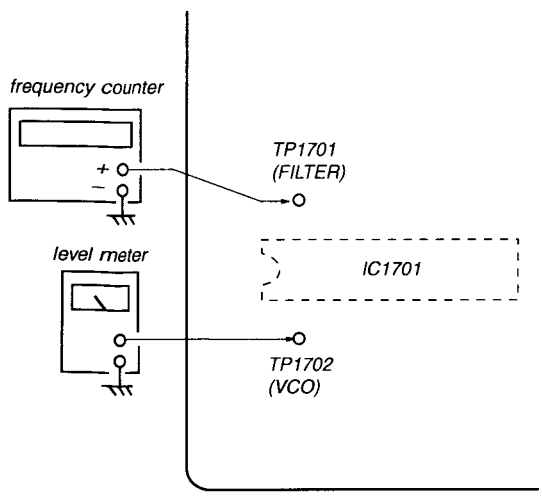

*Carrier frequency:* 69 MHz
*Output level:* 1 mV (60 dBμ) (at 75 Ω open)
*Modulation:* AUDIO 31.25 kHz, 10 kHz deviation (EXTERNAL MODULATION)

**Procedure :**

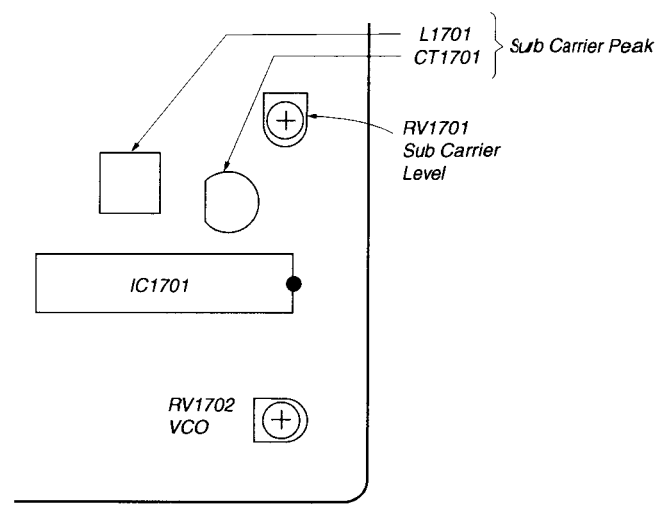
1. Set the modulation of FM RF SSG to AUDIO 1 kHz, 10 kHz deviation according to "Connection 1".
2. Tune the set to 69 MHz.
3. Adjust the RV1702 so that the reading of frequency counter connected to TP1702 (VCO) becomes within 31.25 kHz ± 0.05 kHz. (VCO adjustment)
4. Then record the reading of the level meter connected to TP1701.
5. Set the modulation of FM RF SSG to AUDIO 31.25 kHz, 10 kHz deviation according to "Connection 2".
6. Tune the set to 69 MHz.
7. Set the CT1701 to be mechanical center.
8. Adjust the L1701 so that the reading of the level meter connected to TP1701 (FILTER) becomes maximum.
   Then adjust the CT1701 so that the reading of the level meter connected to TP1701 (FILTER) becomes maximum. (SUB CARRIER PEAK Adjustment)
9. Adjust the RV1701 so that the level at the moment becomes 14 dB higher value than the level recorded in step 4. (SUB CARRIER LEVEL Adjustment)

## Adjustment Location

**[TCB BOARD]** (Conductor Side)




**[TCB BOARD]** (Component Side)

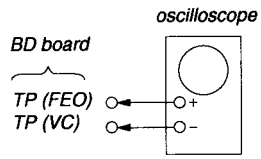


## CD SECTION

**Note:**

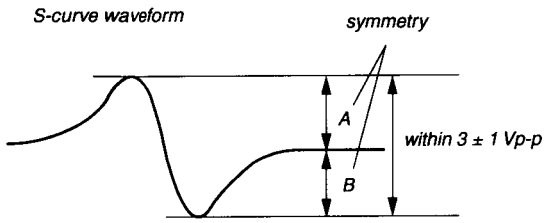
1. CD Block is basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10M impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

### S Curve Check




**Procedure :**

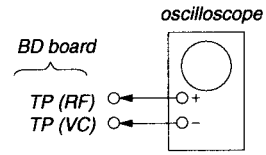
1. Connect oscilloscope to test point TP (FEO).
2. Connect between test point TP (FOK) and Ground by lead wire.
3. Turn Power switch on.
4. Put disc (YEDS-18) in and turned Power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out.)
5. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 3 ± 1Vp-p.




6. After check, remove the lead wire connected in step 2.

**Note:** • Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
• Take sweep time as long as possible and light up the brightness to obtain best waveform.

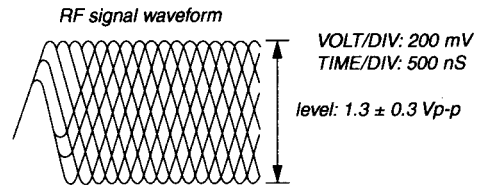
### RF Level Check



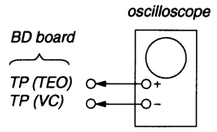

**Procedure :**

1. Connect oscilloscope to test point TP (RF) on BD board.
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

**Note:** Clear RF signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.



### E-F Balance (1 Track Jump) check



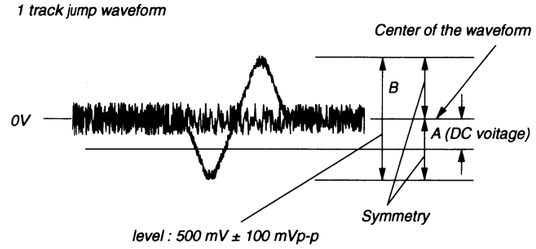

**Procedure:**

1. Connect oscilloscope to test point TP (TEO) on BD board.
2. Turned Power switch on.
3. Put disc (YEDS-18) in to play the number five track.
4. Press the "▮▮ (Pause)" button.
5. Check the level B of the oscilloscope's waveform and the A (DC voltage) of the center of the Traverse waveform.
   Confirm the following:

   • $\frac{A - B}{2(A + B)} \times 100 =$ less then ± 7 (%)

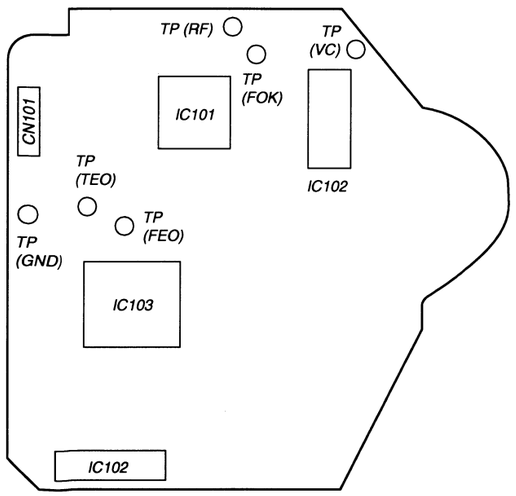
   • A + B = 500 ± 100 mVp-p

*1 track jump waveform*




**Adjustment Location:**

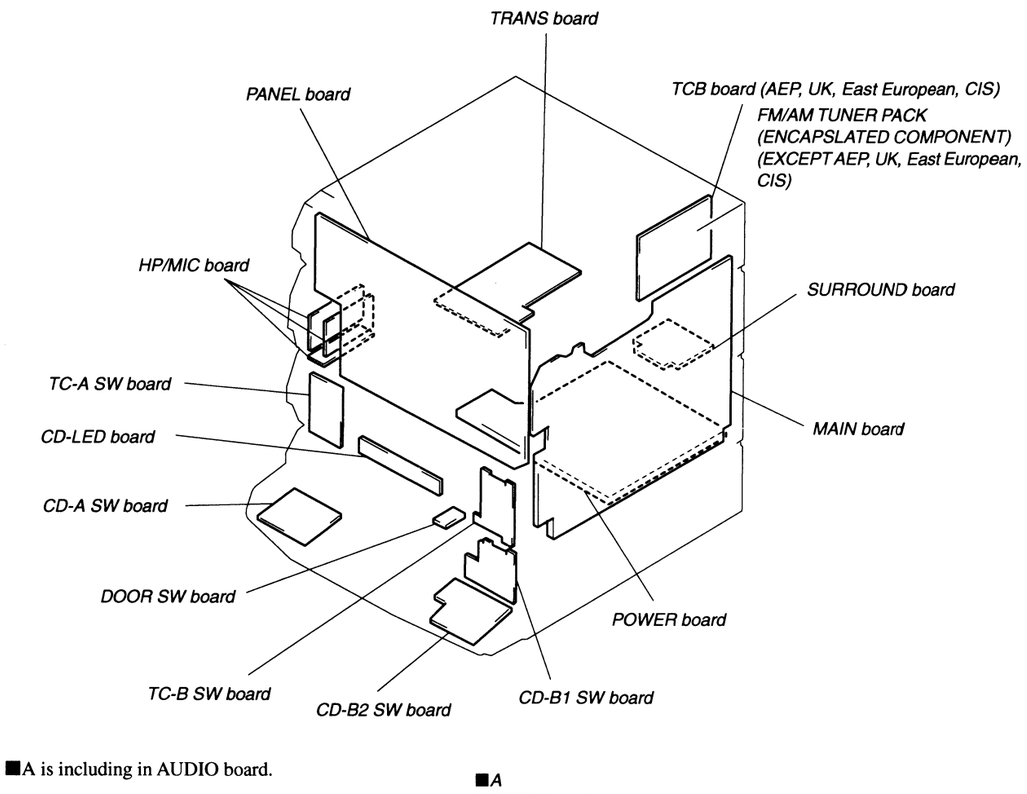
**[BD BOARD]** (Conductor Side)



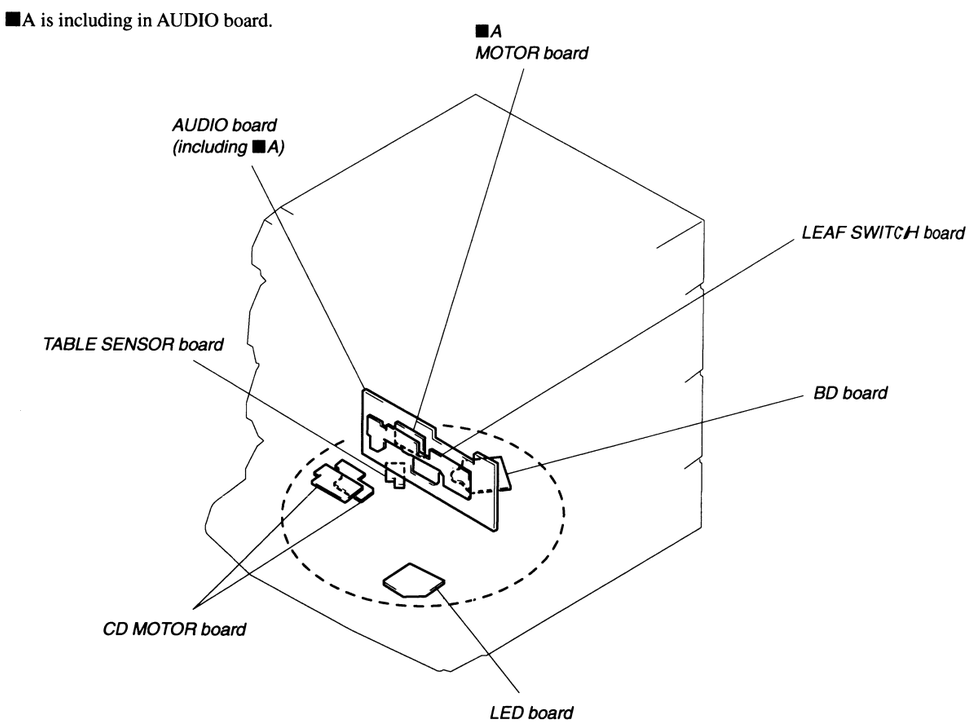



# SECTION 6
# DIAGRAMS

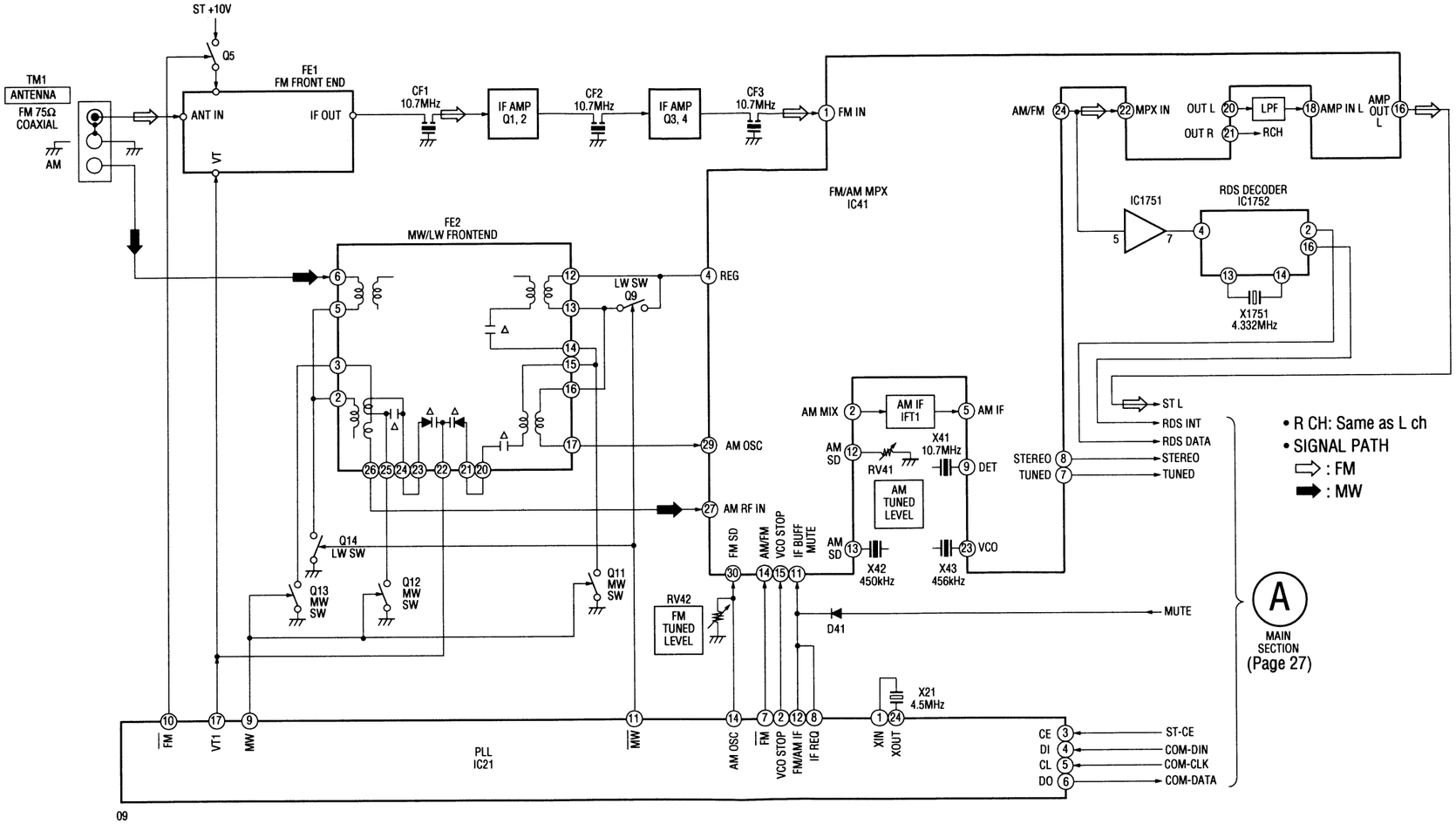
## 6-1. CIRCUIT BOARDS LOCATION



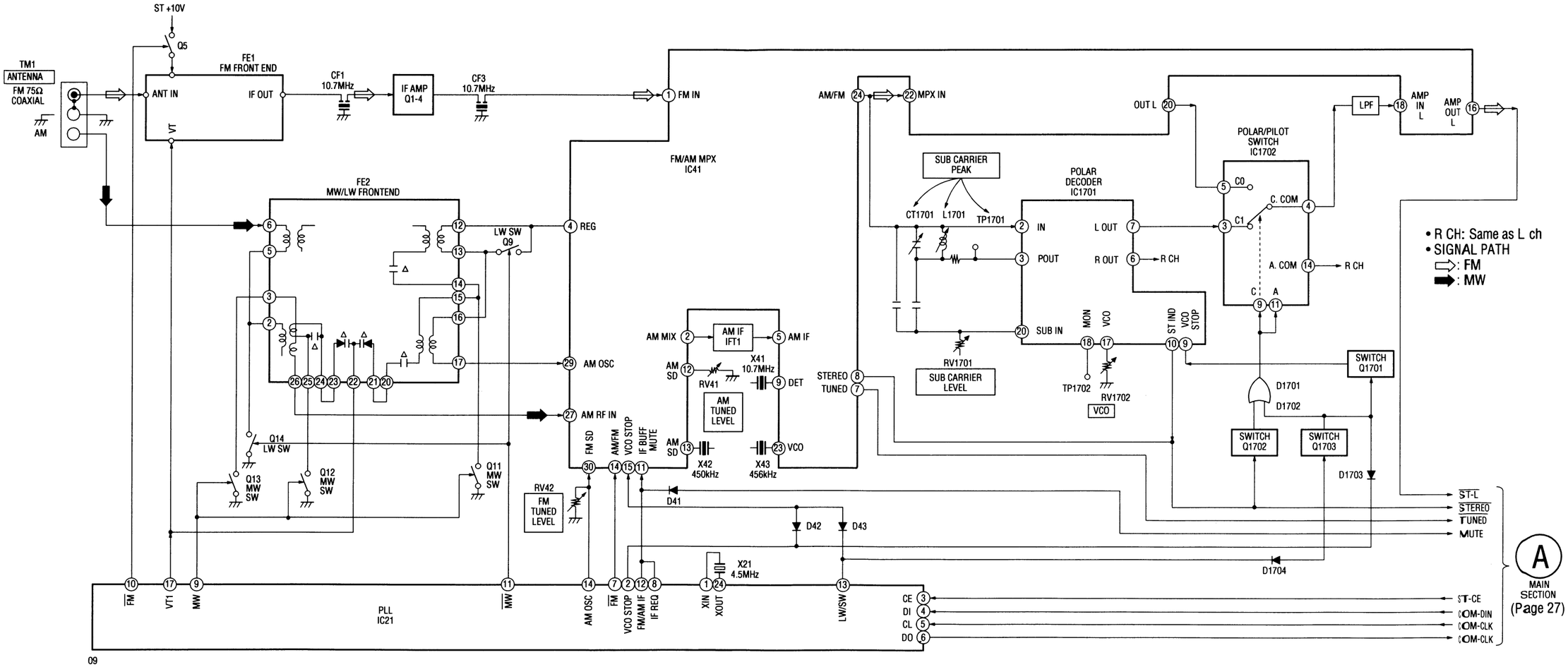

**Note:** ■A is including in AUDIO board.



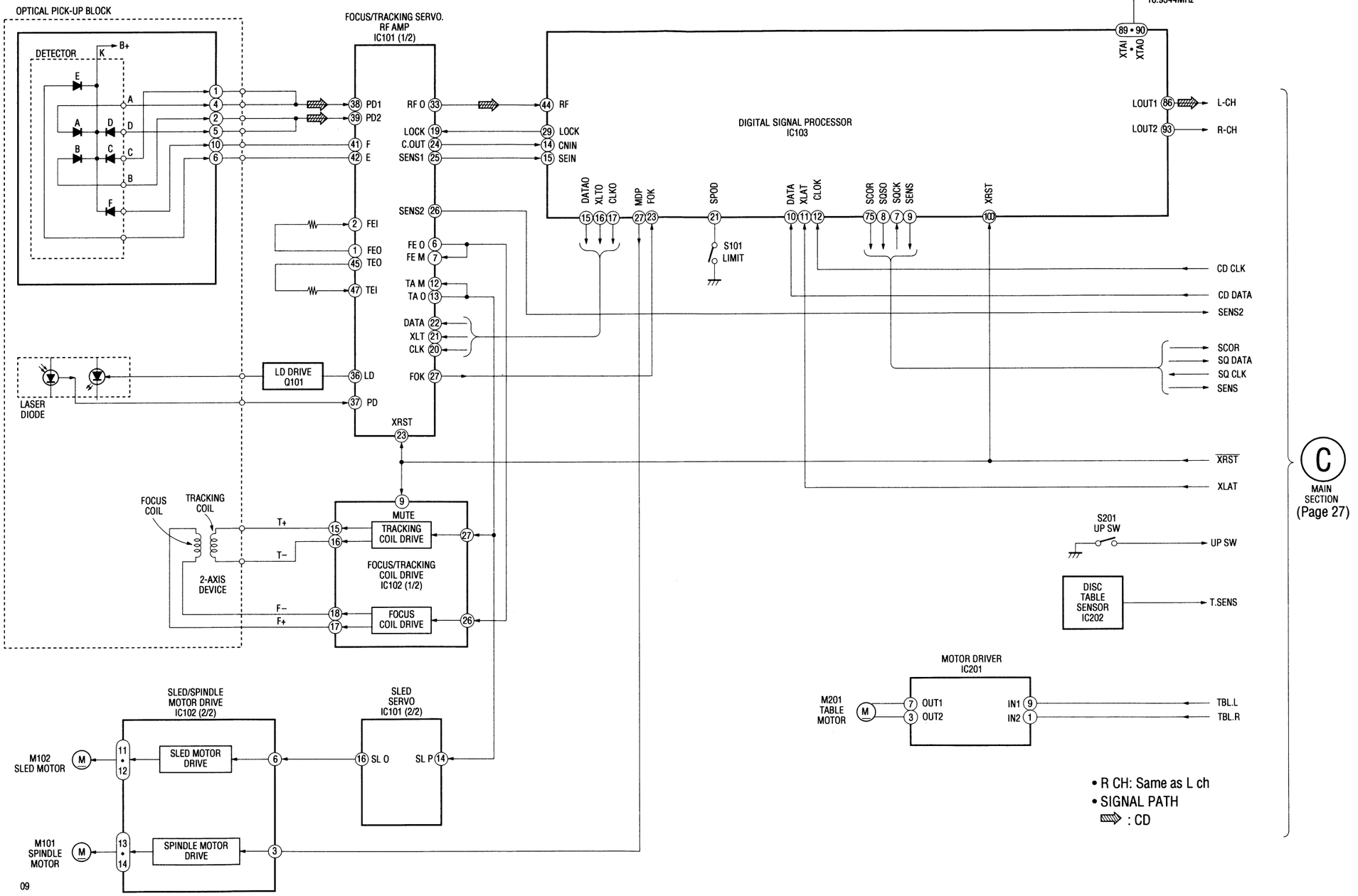
## 6-2. BLOCK DIAGRAMS
### — TUNER SECTION — (AEP, UK model)



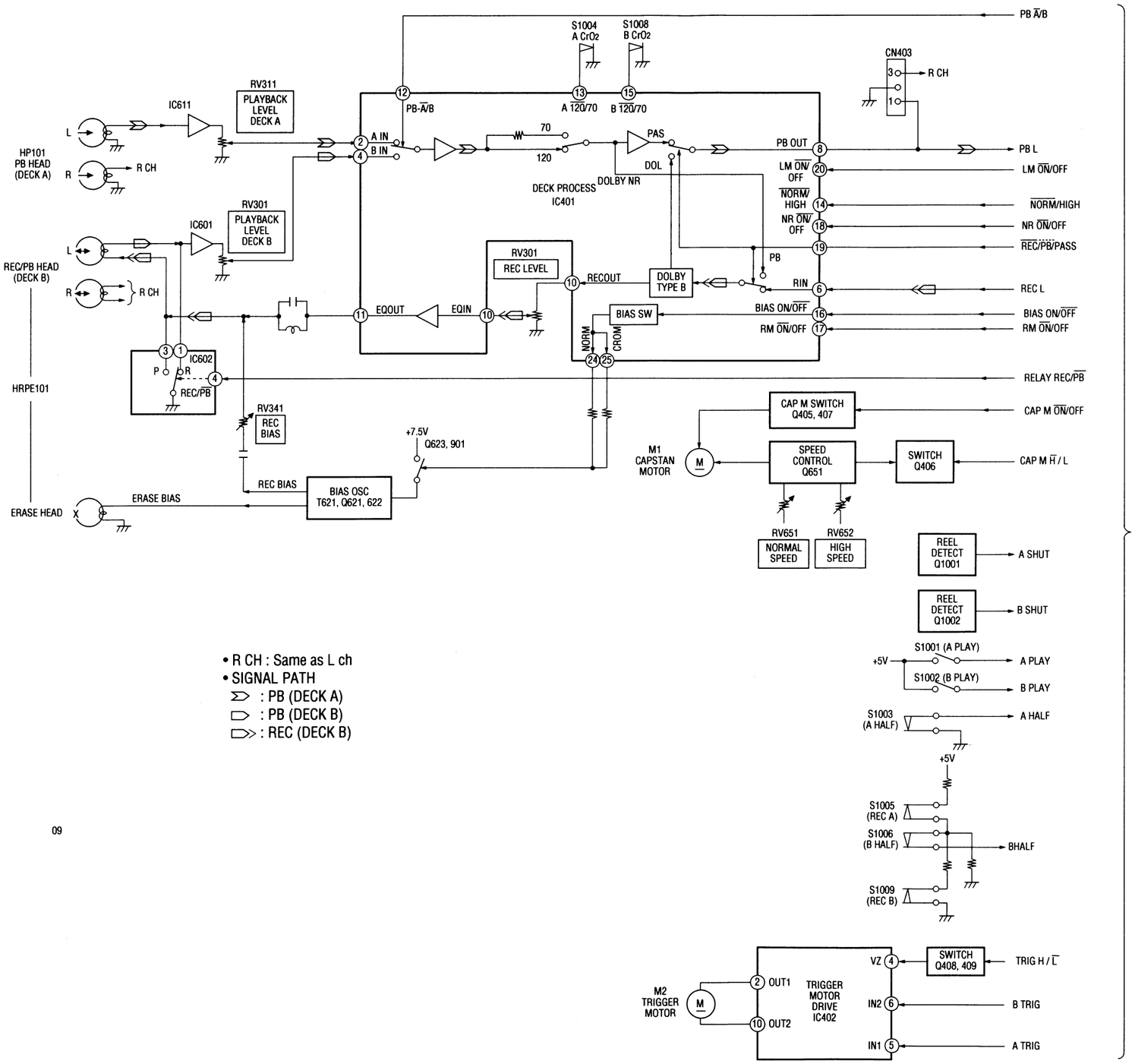
## — TUNER SECTION — (East European, CIS model)



## — CD SECTION —


OPTICAL PICK-UP BLOCK
DETECTOR
B+
K
E
A
D
B
C
F
FOCUS/TRACKING SERVO. RF AMP IC101 (1/2)
PD1
PD2
F
E
FEI
FEO
TEO
TEI
RF O
LOCK
C.OUT
SENS1
SENS2
FE O
FE M
TA M
TA O
DATA
XLT
CLK
FOK
XRST
LD DRIVE Q101
LD
PD
LASER DIODE
FOCUS COIL
TRACKING COIL
T+
T–
F–
F+
2-AXIS DEVICE
MUTE
TRACKING COIL DRIVE
FOCUS/TRACKING COIL DRIVE IC102 (1/2)
FOCUS COIL DRIVE
SLED/SPINDLE MOTOR DRIVE IC102 (2/2)
SLED SERVO IC101 (2/2)
M102 SLED MOTOR
SLED MOTOR DRIVE
SL O
SL P
M101 SPINDLE MOTOR
SPINDLE MOTOR DRIVE
09
X101 16.9344MHz
XTAI
XTAO
RF
LOCK
CNIN
SEIN
DIGITAL SIGNAL PROCESSOR IC103
DATAO
XLTO
CLKO
MDP
FOK
SPOD
S101 LIMIT
DATA
XLAT
CLOK
SCOR
SQSO
SQCK
SENS
XRST
LOUT1
LOUT2
L-CH
R-CH
CD CLK
CD DATA
SENS2
SCOR
SQ DATA
SQ CLK
SENS
XRST
XLAT
S201 UP SW
UP SW
DISC TABLE SENSOR IC202
T.SENS
MOTOR DRIVER IC201
M201 TABLE MOTOR
OUT1
OUT2
IN1
IN2
TBL.L
TBL.R
C
MAIN SECTION
(Page 27)
• R CH: Same as L ch
• SIGNAL PATH
: CD

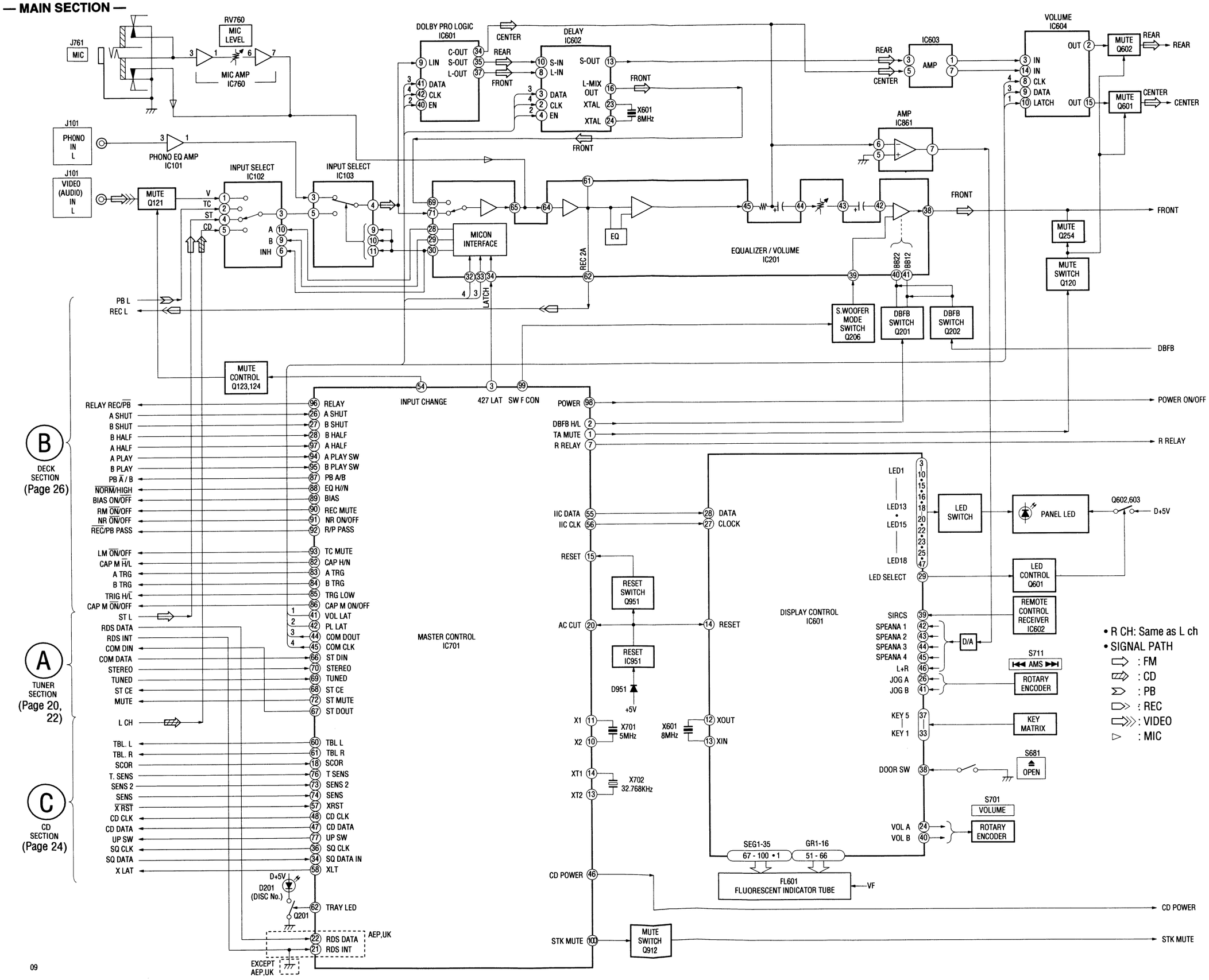
## — DECK SECTION —




- R CH : Same as L ch
- SIGNAL PATH
  - ⋛ : PB (DECK A)
  - ⊏ : PB (DECK B)
  - ⊏⋛ : REC (DECK B)

09

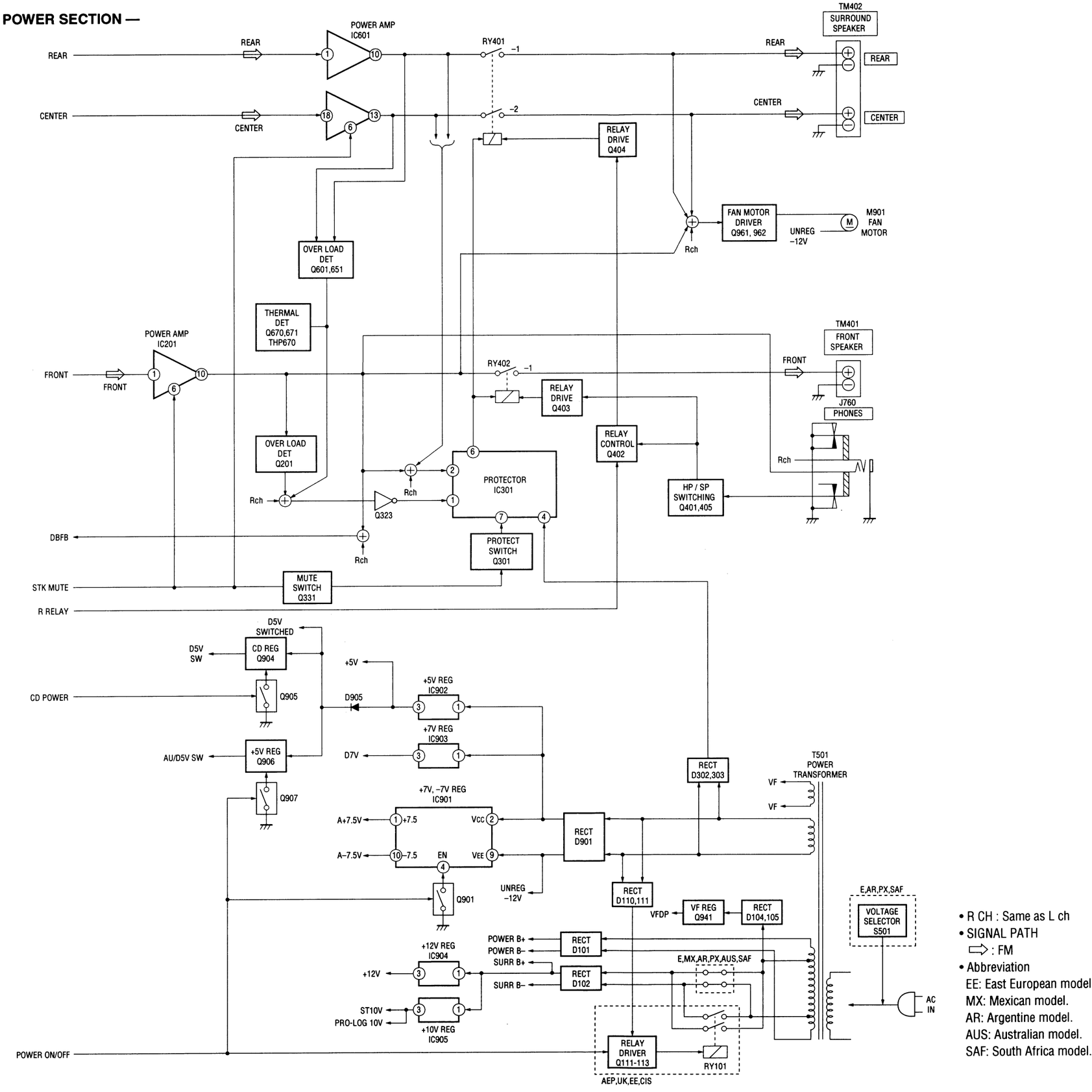
## — MAIN SECTION —




B DECK SECTION (Page 26)
A TUNER SECTION (Page 20, 22)
C CD SECTION (Page 24)
D POWER SECTION

09

## — POWER SECTION —




D
MAIN SECTION
(Page 28)

09

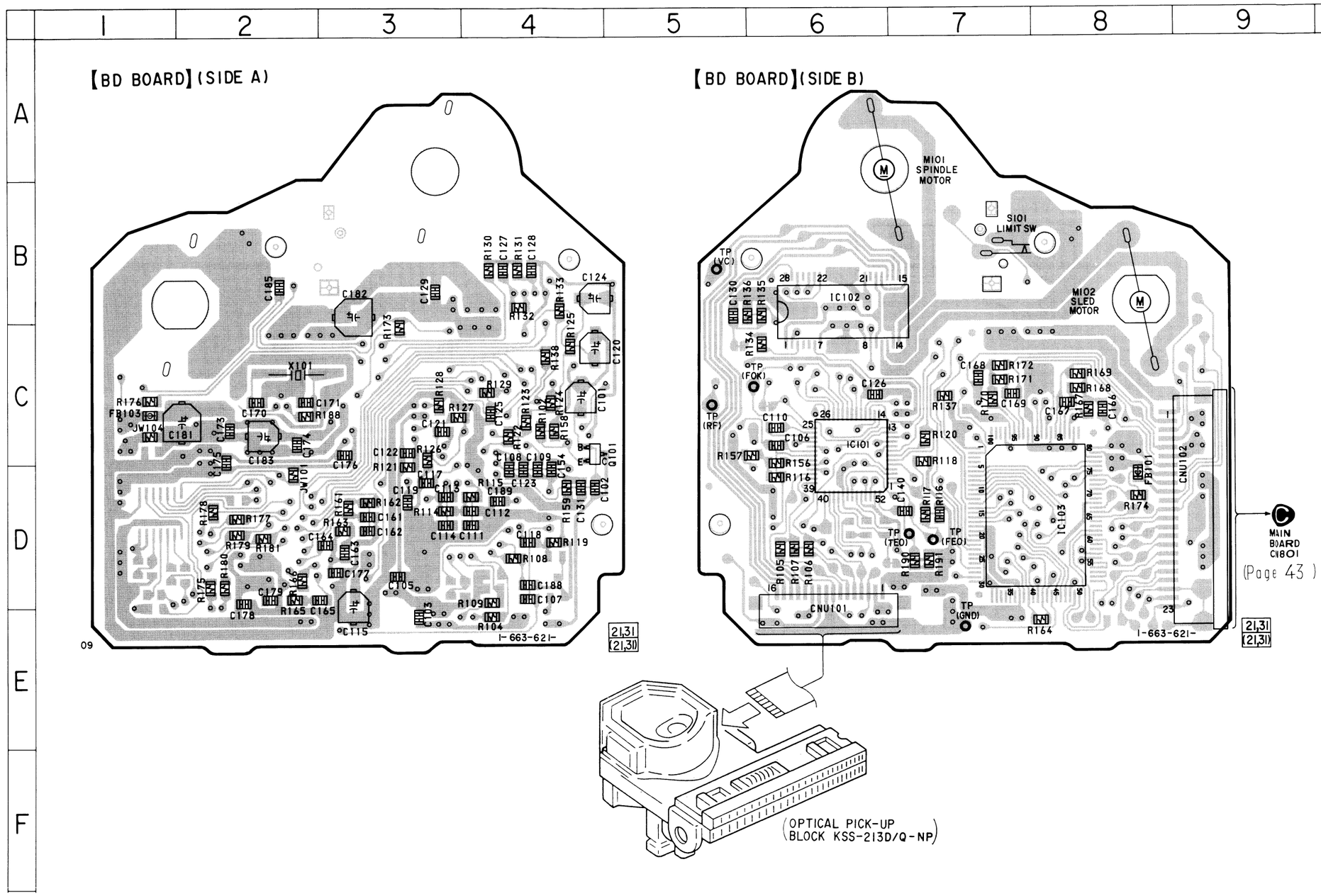
- R CH : Same as L ch
- SIGNAL PATH
  ⇨ : FM
- Abbreviation
  EE: East European model.
  MX: Mexican model.
  AR: Argentine model.
  AUS: Australian model.
  SAF: South Africa model.

## 6-3. PRINTED WIRING BOARD — CD SECTION —

• See page 18 for Circuit Boards Location.

• Semiconductor Location

| Ref. No. | Location |
|---|---|
| IC101 | C-6 |
| IC102 | B-6 |
| IC103 | D-8 |
| Q101 | C-5 |

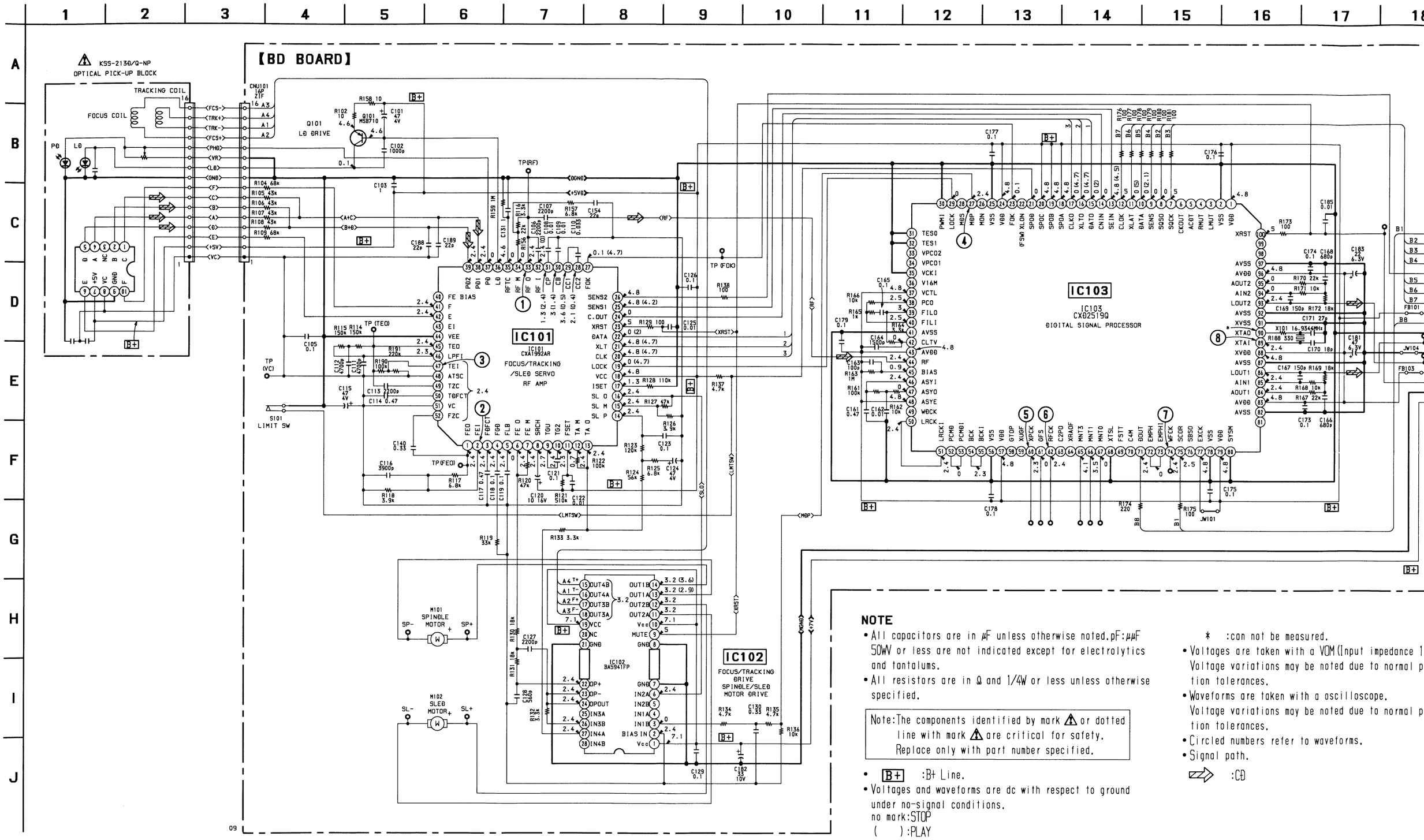



**Note:**

- ⟜ : parts extracted from the component side.
- ○ : Through hole.
- ▒ : Pattern from the side which enable seeing. (The other layer's patterns are not indicated.)

## 6-4. SCHEMATIC DIAGRAM — CD SECTION —


- See page 75 for IC Block Diagrams.
- See page 80 for IC Pin Functions.


**NOTE**

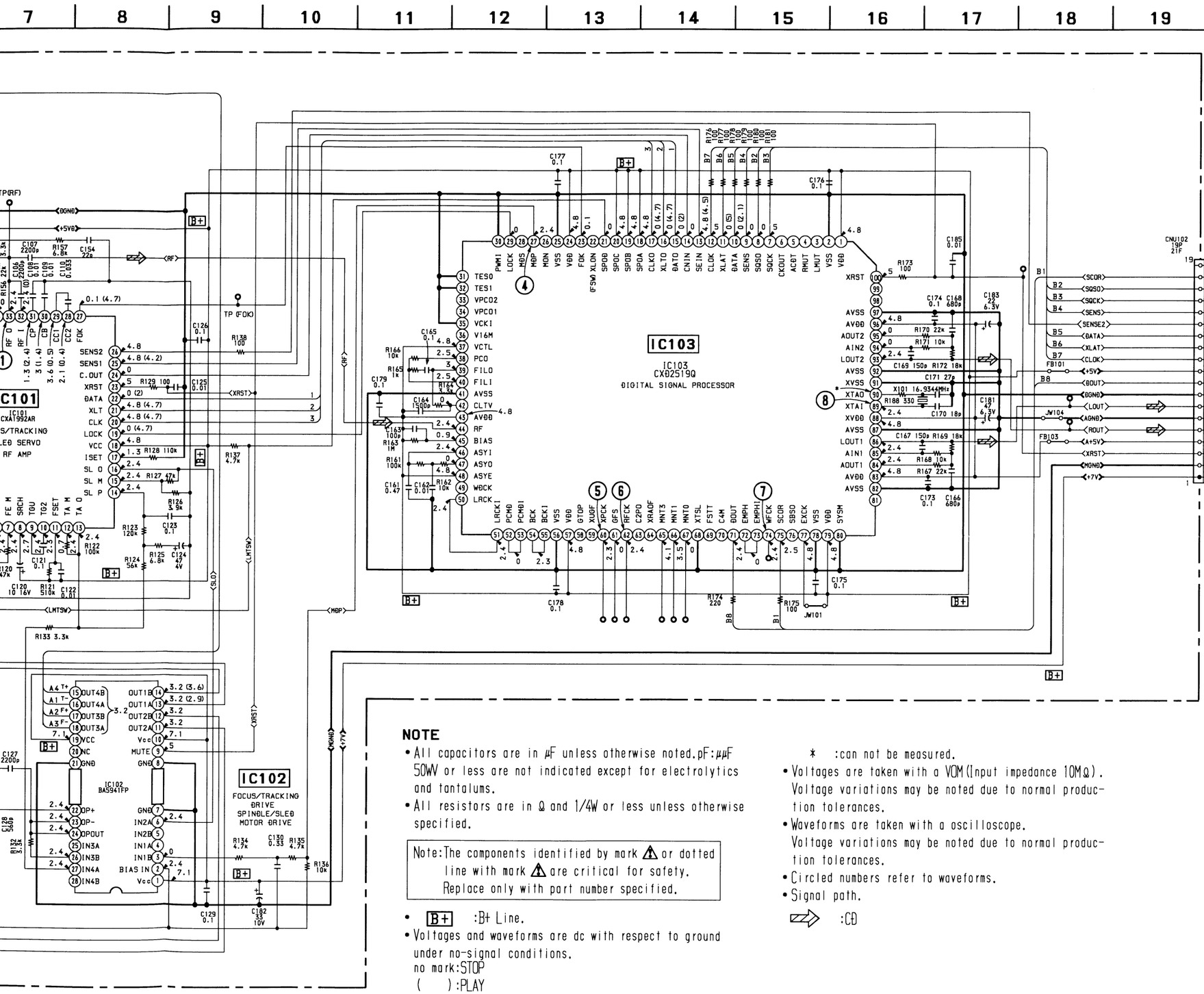
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- B+ :B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark: STOP
  ( ): PLAY

* :can not be measured.

- Voltages are taken with a VOM (Input impedance 10MΩ)
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ :CD




**NOTE**

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- B+ :B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark: STOP
  ( ): PLAY

* :can not be measured.

- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.

⇨ :CD

**• Waveforms**

① 1.3Vp-p
500mV/DIV, 500nsec/DIV
IC101 ㉝ RFO

② 0.5Vp-p
200mV/DIV, 1μsec/DIV
IC101 ② FEI

③ 0.2Vp-p
50mV/DIV, 1μsec/DIV
IC101 ㊼ TEI

④ 7.8μsec, 2.5Vp-p
IC103 ㉗ MDP

⑤ 230μsec, 5Vp-p
IC103 ㊵ XPCK

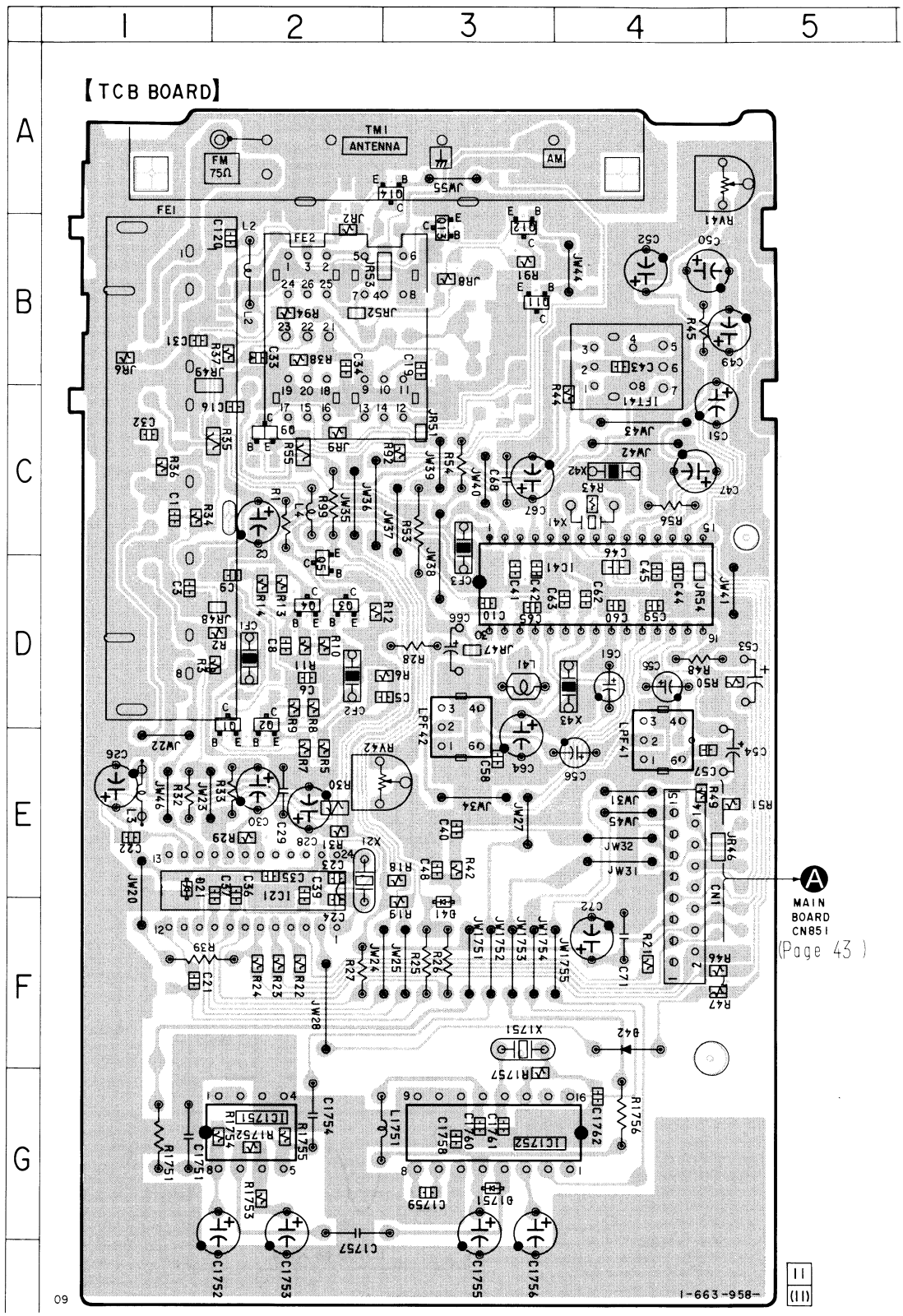
⑥ 135μsec, 5Vp-p
IC103 ㊷ RFCK

⑦ 135μsec, 5Vp-p
IC103 ㊹ WFCK

⑧ 2.6Vp-p
16.9344MHz
IC103 ㊽ XTAI

## 6-5. PRINTED WIRING BOARD — TUNER (AEP, UK model) SECTION —

• See page 18 for Circuit Boards Location.




• **Semiconductor Location**

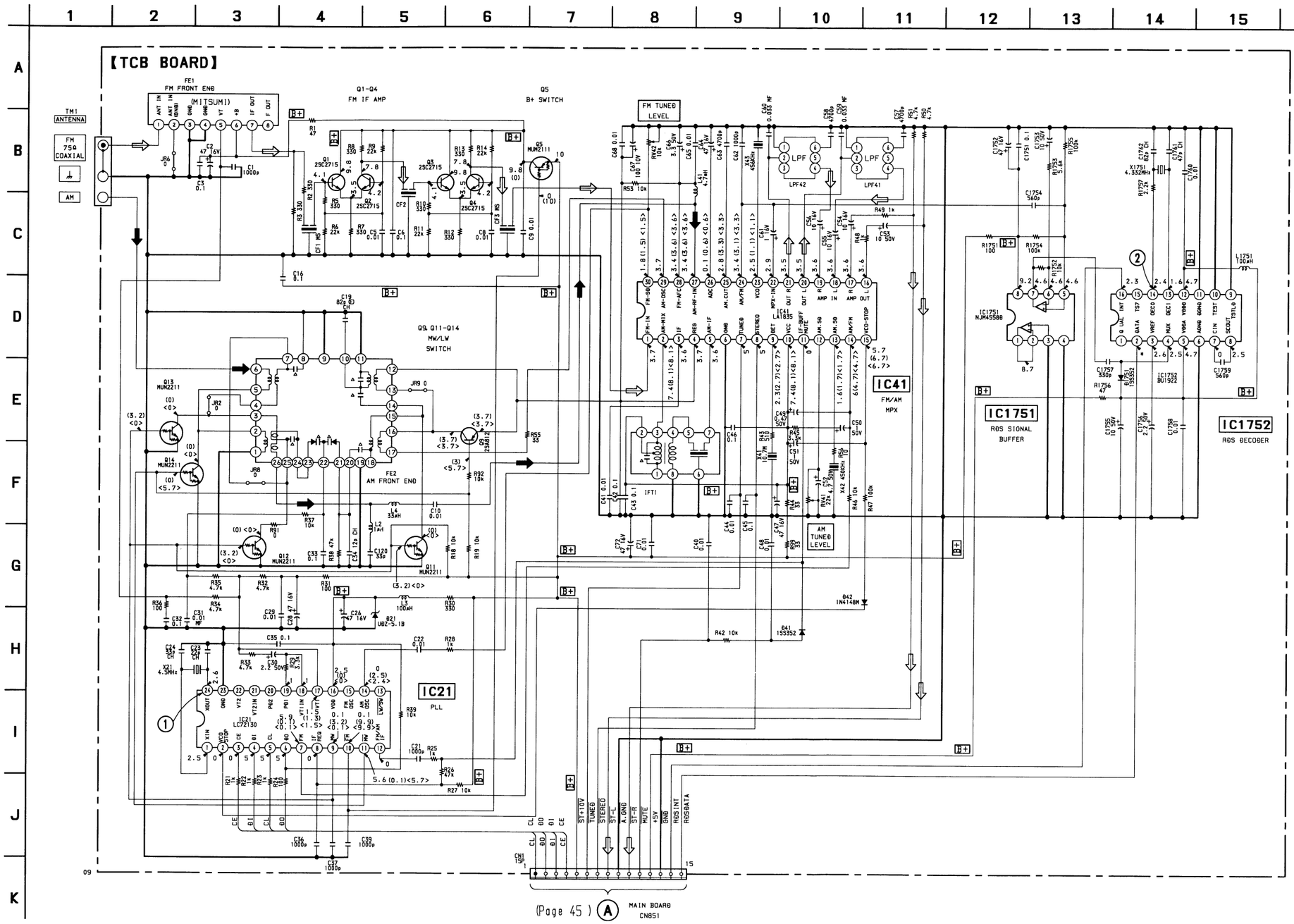
| Ref. No. | Location |
|---|---|
| D21 | E-2 |
| D41 | F-3 |
| D42 | F-4 |
| D1751 | G-3 |
| IC21 | F-2 |
| IC41 | D-4 |
| IC1751 | G-2 |
| IC1752 | G-3 |
| Q1 | E-2 |
| Q2 | E-2 |
| Q3 | D-2 |
| Q4 | D-2 |
| Q5 | D-2 |
| Q9 | C-2 |
| Q11 | B-3 |
| Q12 | B-3 |
| Q13 | B-3 |
| Q14 | A-3 |

**Note:**

- ⟜ : parts extracted from the component side.
- ▒ : Pattern from the side which enable seeing.

## 6-6. SCHEMATIC DIAGRAM — TUNER (AEP, UK model) SECTION —

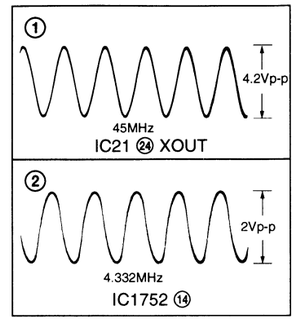
• See page 73 for IC Block Diagrams.




**NOTE**

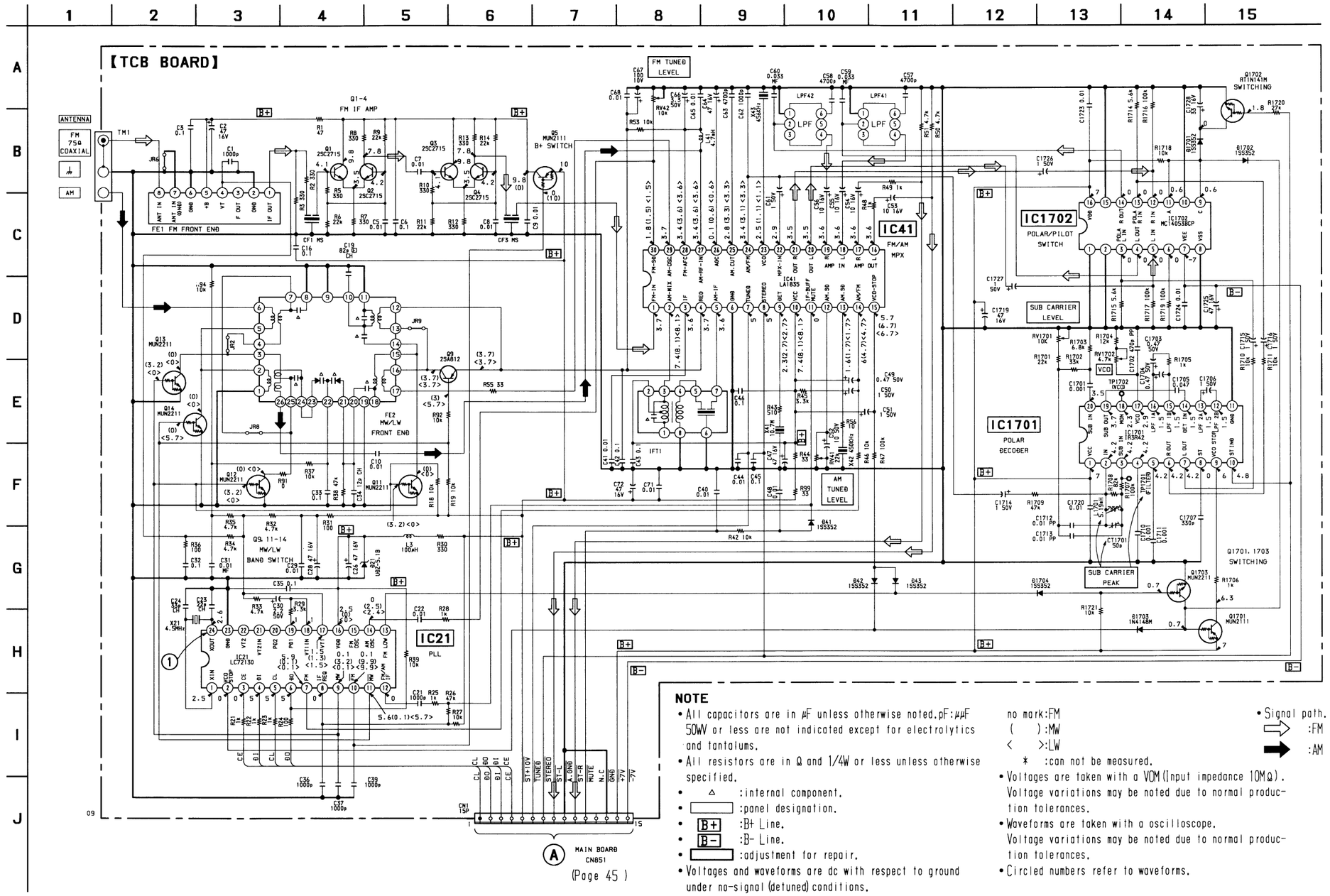
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
  ( ): MW
  < >: LW
  * : can not be measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM

**• Waveforms**



## 6-7. SCHEMATIC DIAGRAM — TUNER (East European, CIS model) SECTION —

• See page 73 for IC Block Diagrams.




**NOTE**

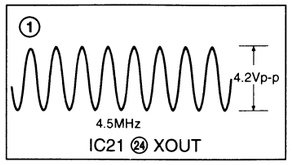
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ :internal component.
- ▭ :panel designation.
- B+ :B+ Line.
- B- :B- Line.
- ▭ :adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.

no mark:FM
( ):MW
< >:LW
* :can not be measured.

- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.

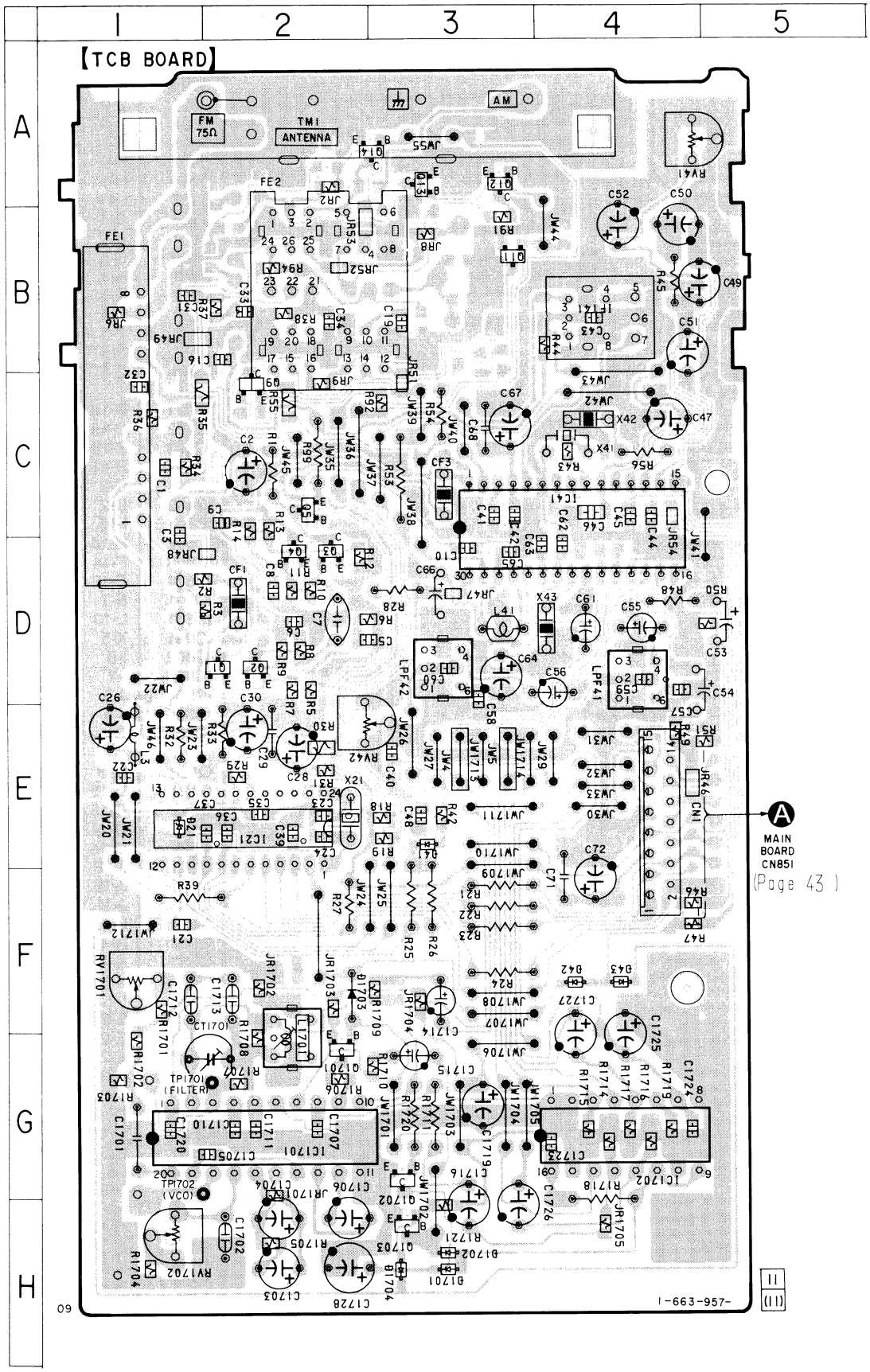
- Signal path. ⇨ :FM ➡ :AM

**• Waveform**



## 6-8. PRINTED WIRING BOARD — TUNER (East European, CIS model) SECTION —

• See page 18 for Circuit Boards Location.




• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D21 | E-1 |
| D41 | E-3 |
| D42 | F-4 |
| D43 | F-4 |
| D1701 | H-3 |
| D1702 | H-3 |
| D1703 | F-2 |
| D1704 | H-3 |
| IC21 | E-2 |
| IC41 | C-4 |
| IC1701 | G-2 |
| IC1702 | G-4 |
| Q1 | D-2 |
| Q2 | D-2 |
| Q3 | D-2 |
| Q4 | D-2 |
| Q5 | C-2 |
| Q9 | C-2 |
| Q11 | B-3 |
| Q12 | A-3 |
| Q13 | A-3 |
| Q14 | A-3 |
| Q1701 | G-2 |
| Q1702 | H-3 |
| Q1703 | H-3 |

**Note:**

- ⟜—— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enable seeing.

• **Semiconductor Location**

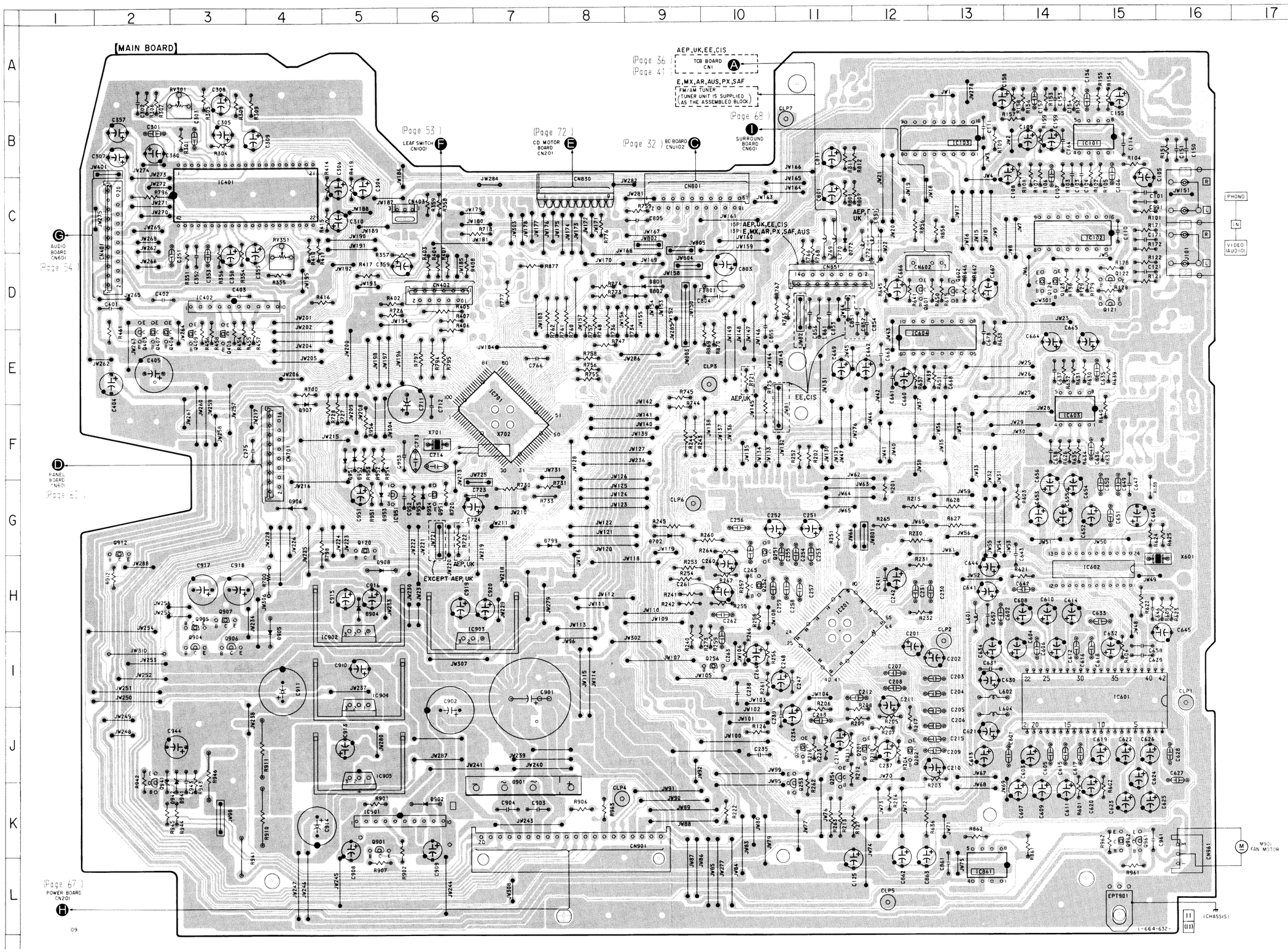
| Ref. No. | Location |
|---|---|
| D702 | G-9 |
| D772 | C-11 |
| D799 | G-8 |
| D801 | D-9 |
| D802 | D-9 |
| D901 | K-7 |
| D902 | K-6 |
| D904 | H-5 |
| D905 | I-4 |
| D906 | G-4 |
| D907 | F-4 |
| D908 | H-5 |
| D941 | K-3 |
| D942 | K-3 |
| D951 | F-5 |
| D952 | F-5 |
| D953 | G-5 |
| D954 | G-6 |
| IC101 | B-15 |
| IC102 | C-15 |
| IC103 | B-13 |
| IC201 | H-11 |
| IC401 | C-2 |
| IC402 | D-2 |
| IC601 | I-15 |
| IC602 | H-15 |
| IC603 | F-14 |
| IC604 | E-12 |
| IC701 | E-7 |
| IC861 | L-13 |
| IC901 | K-5 |
| IC902 | I-5 |
| IC903 | I-7 |
| IC904 | J-5 |
| IC905 | J-5 |
| IC951 | G-5 |
| Q120 | G-5 |
| Q121 | D-15 |
| Q122 | D-15 |
| Q123 | D-14 |
| Q124 | D-14 |
| Q201 | J-12 |
| Q202 | J-12 |
| Q206 | J-11 |
| Q251 | H-10 |
| Q252 | H-10 |
| Q253 | K-11 |
| Q254 | K-11 |
| Q256 | I-10 |
| Q403 | E-2 |
| Q406 | E-2 |
| Q407 | E-2 |
| Q408 | E-3 |
| Q409 | E-3 |
| Q601 | D-12 |
| Q602 | D-13 |
| Q901 | K-5 |
| Q904 | I-3 |
| Q905 | H-3 |
| Q906 | I-3 |
| Q907 | H-3 |
| Q912 | G-2 |
| Q941 | K-2 |
| Q951 | G-6 |
| Q961 | K-15 |
| Q962 | K-15 |

**Note:**

- o—— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enable seeing.
- Abbreviation
  - EE : East European model.
  - MX : Mexican model.
  - AUS : Australian model.
  - AR : Argentine model.
  - SAF : South African model.

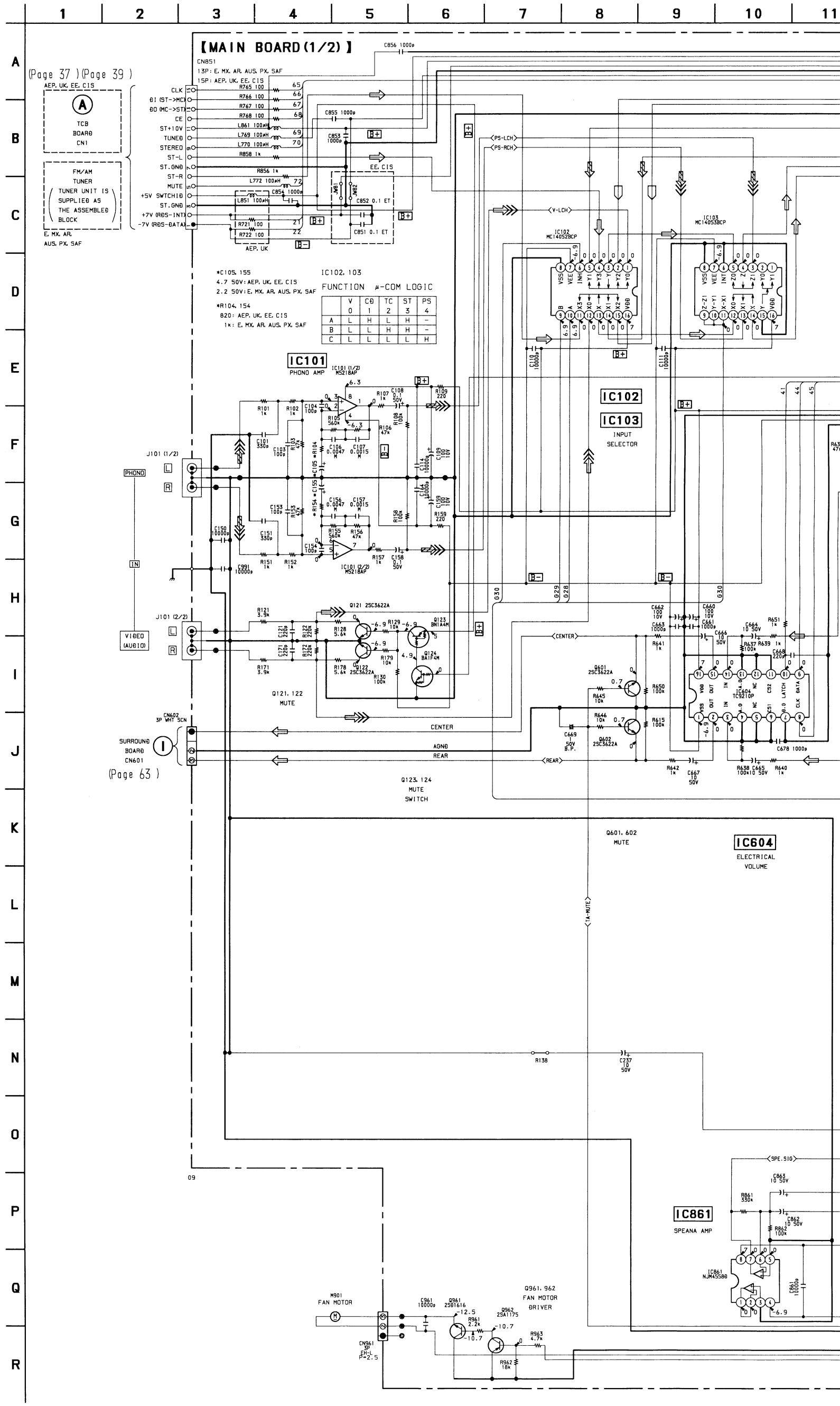
## 6-9. PRINTED WIRING BOARD — MAIN SECTION —

• See page 18 for Circuit Boards Location.



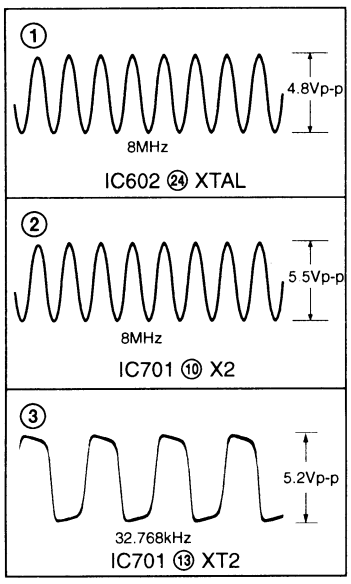
## 6-10. SCHEMATIC DIAGRAM — MAIN SECTION —

- **See page 77 for IC Block Diagrams.**
- **See page 86 for IC Pin Functions.**




| | V 0 | CD 1 | TC 2 | ST 3 | PS 4 |
|---|---|---|---|---|---|
| A | L | H | L | H | – |
| B | L | L | H | H | – |
| C | L | L | L | L | H |

### • Waveforms



IC601
PRO-LOGIC

IC603
AMP

IC602
DELAY

IC604
ELECTRICAL VOLUME

IC201
EQ/VOLUME

IC701
MASTER CONTROL

IC903
+7V REG

IC905
+10V REG

IC901
+7V, -7V REG

Q951 RESET SWITCH

Q120 MUTE SWITCH

Q201, 202 DBFB SWITCH

Q206, 256 SUPER WOOFER MODE SWITCHING

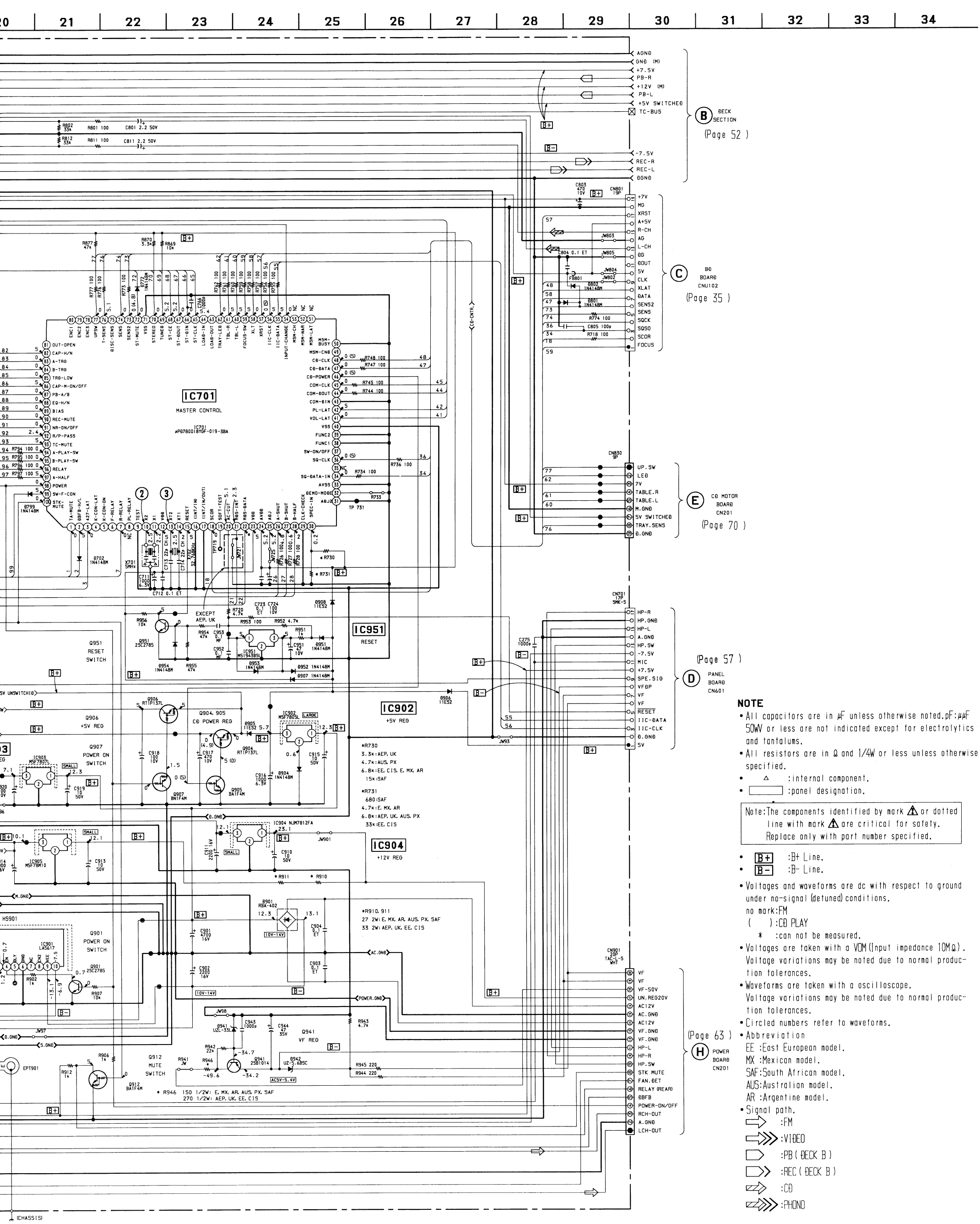
Q251, 252 DBFB SWITCH

Q253, 254 MUTE

Q912 MUTE SWITCH

EXCEPT AEP, UK

* R946 150 1/2W: E, MX, AR, AUS, PX, SAF
270 1/2W: AEP, UK, EE, CIS




**NOTE**

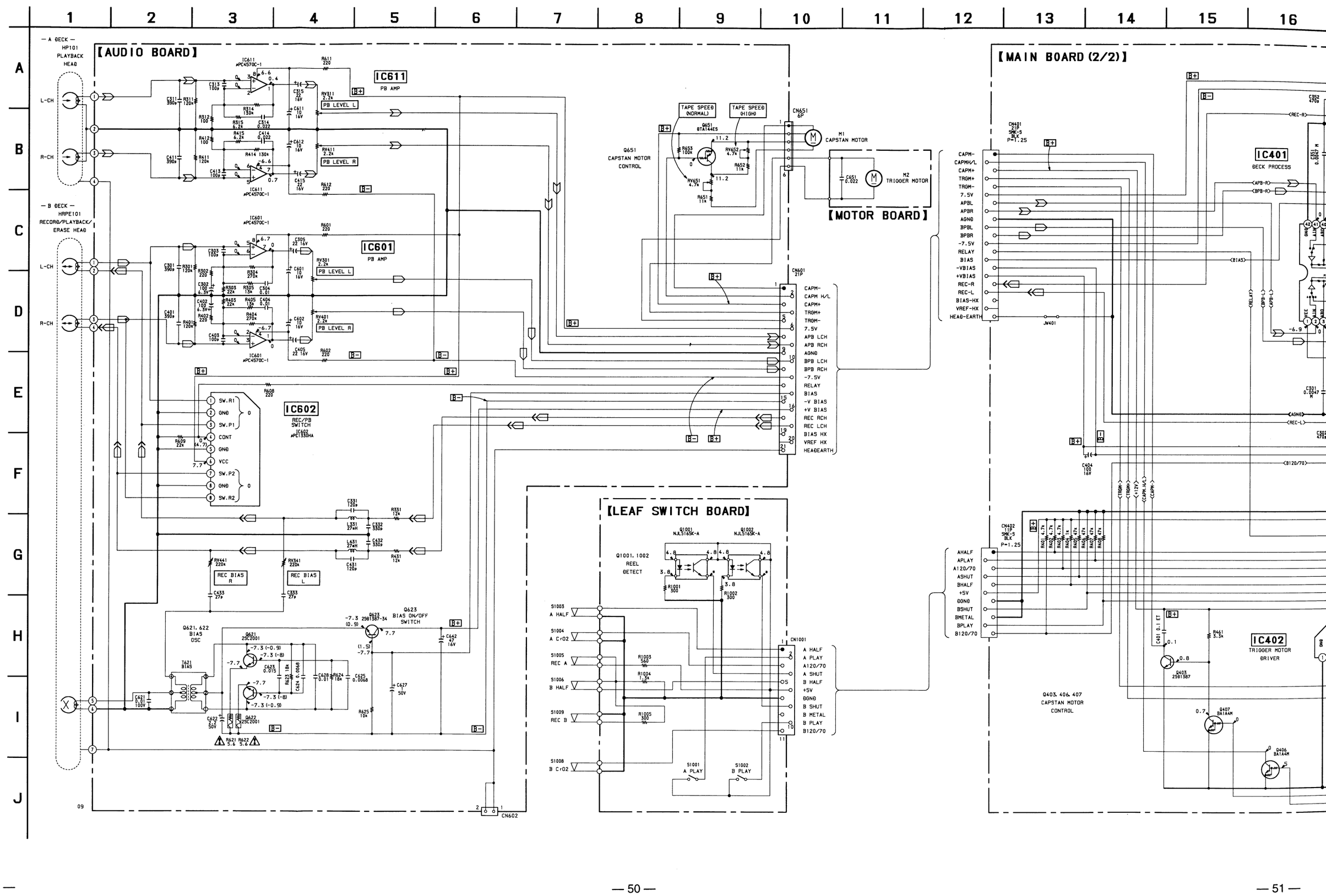
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

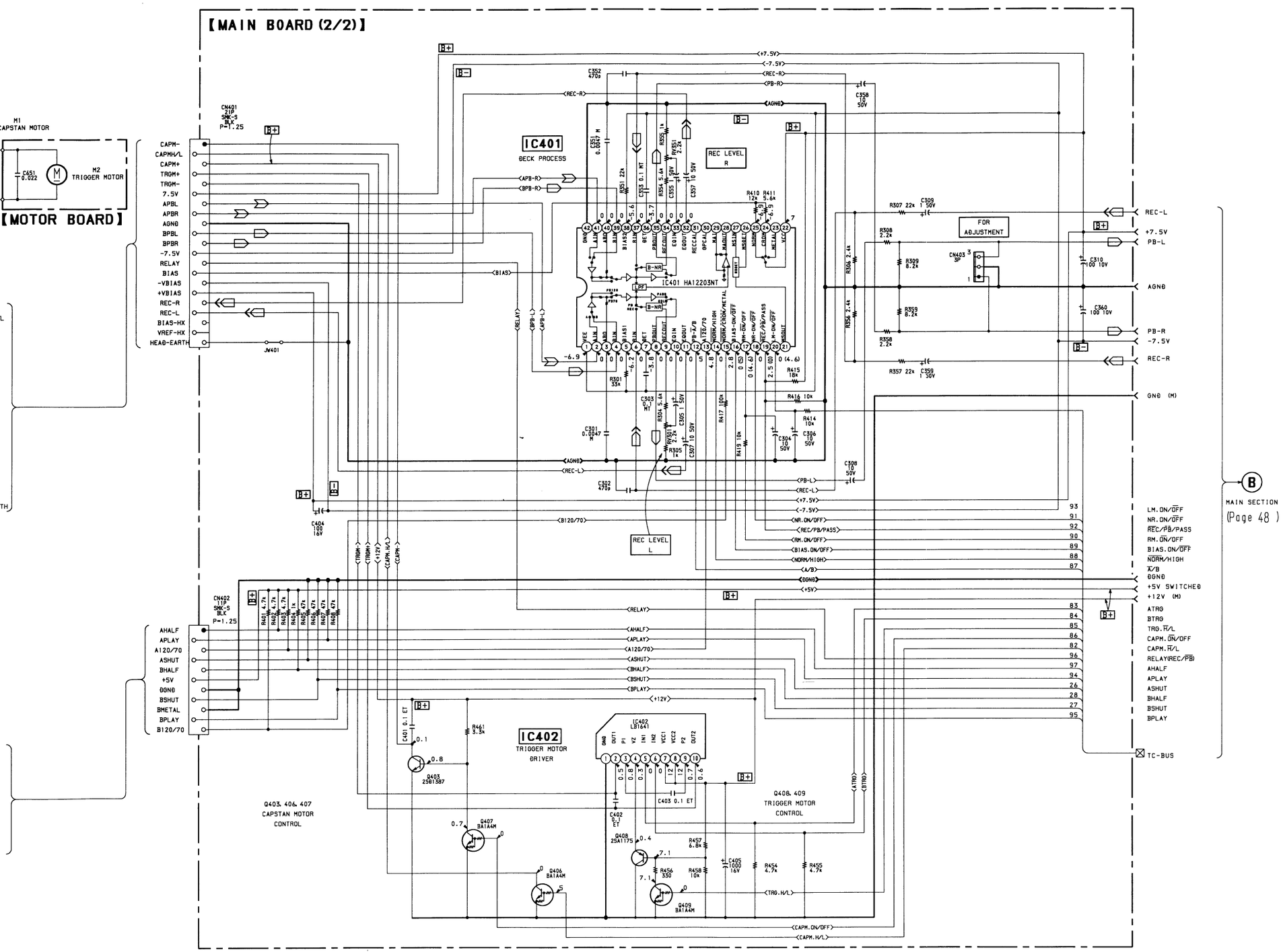
- B+ : B+ Line.
- B- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
  ( ) : CD PLAY
  * : can not be measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Abbreviation
  EE : East European model.
  MX : Mexican model.
  SAF: South African model.
  AUS: Australian model.
  AR : Argentine model.
- Signal path.
  ⇨ : FM
  ⇨ : VIDEO
  ⇨ : PB (DECK B)
  ⇨ : REC (DECK B)
  ⇨ : CD
  ⇨ : PHONO

## 6-11. SCHEMATIC DIAGRAM — DECK SECTION —

- **See page 43 for Printed Wiring Board. (Main board)**
- **See page 79 for IC Block Diagrams.**



## 【MAIN BOARD (2/2)】




**NOTE**

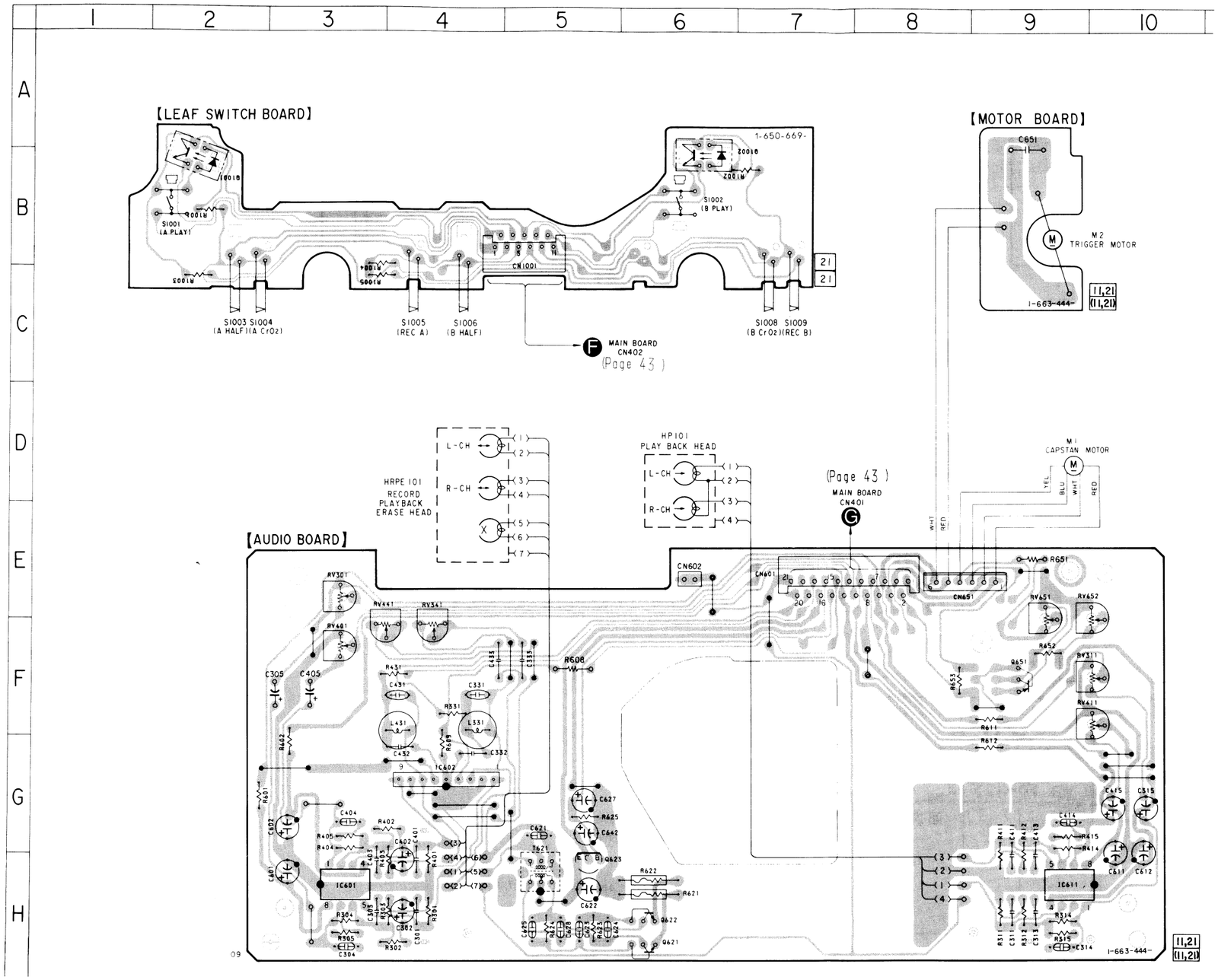
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ⚠ : fusible resistor.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- B+ : B+ Line.
- B− : B− Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark: PLAY
  ( ): REC
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - : PB ( ΘECK A )
  - : PB ( ΘECK B )
  - : REC ( ΘECK B )

## 6-12. PRINTED WIRING BOARD — DECK SECTION —

• See page 18 for Circuit Boards Location.




• **Semiconductor Location**

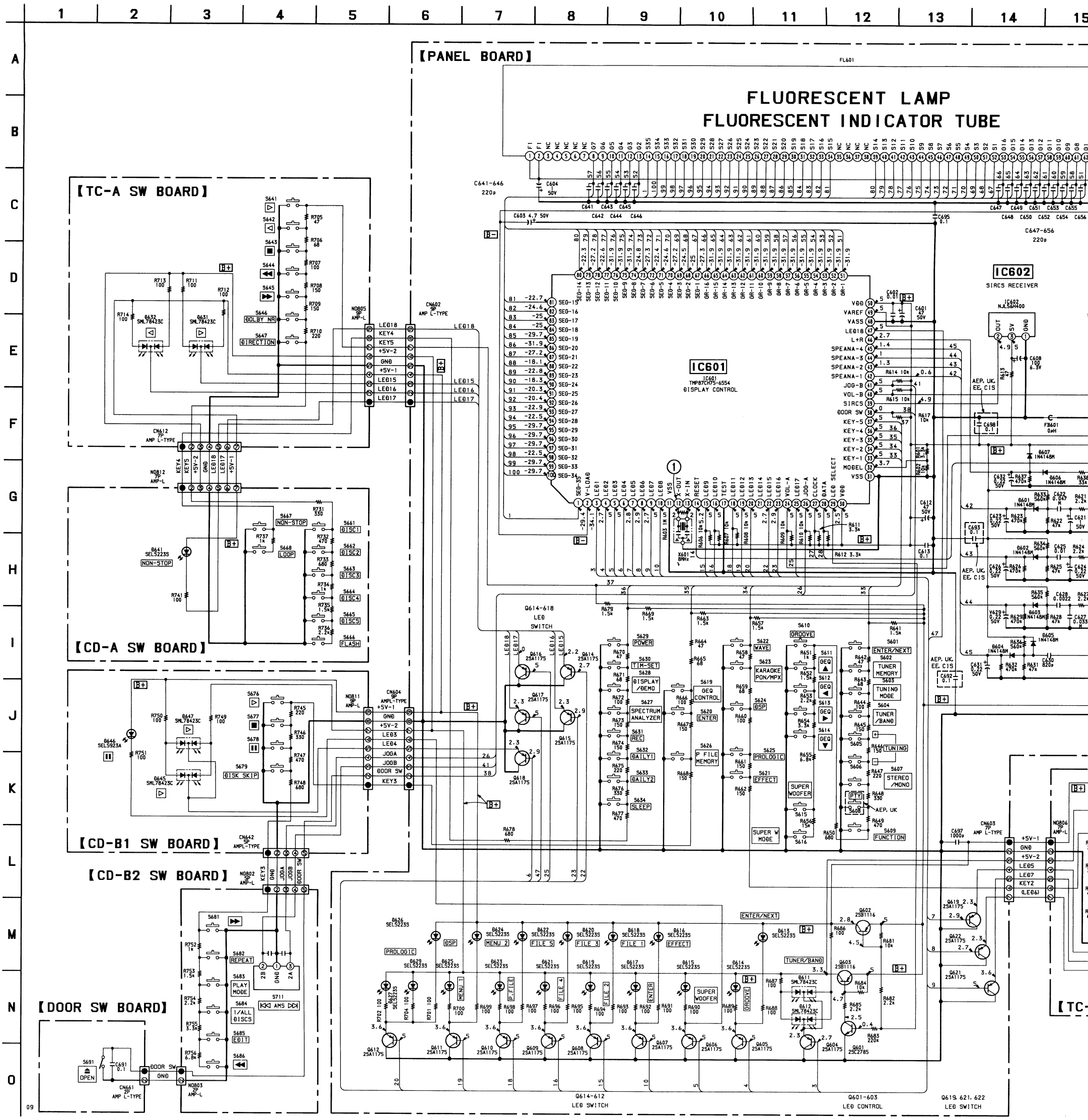
| Ref. No. | Location |
|---|---|
| IC601 | H-3 |
| IC602 | G-4 |
| IC611 | H-9 |
| Q621 | I-6 |
| Q622 | H-6 |
| Q623 | H-5 |
| Q651 | F-9 |
| Q1001 | B-2 |
| Q1002 | B-6 |

**Note:**

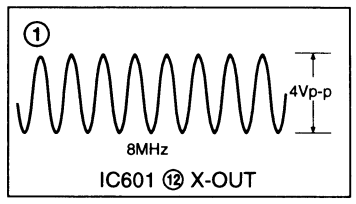
- ⟜—— : parts extracted from the component side.
- ▒▒ : Pattern from the side which enable seeing.

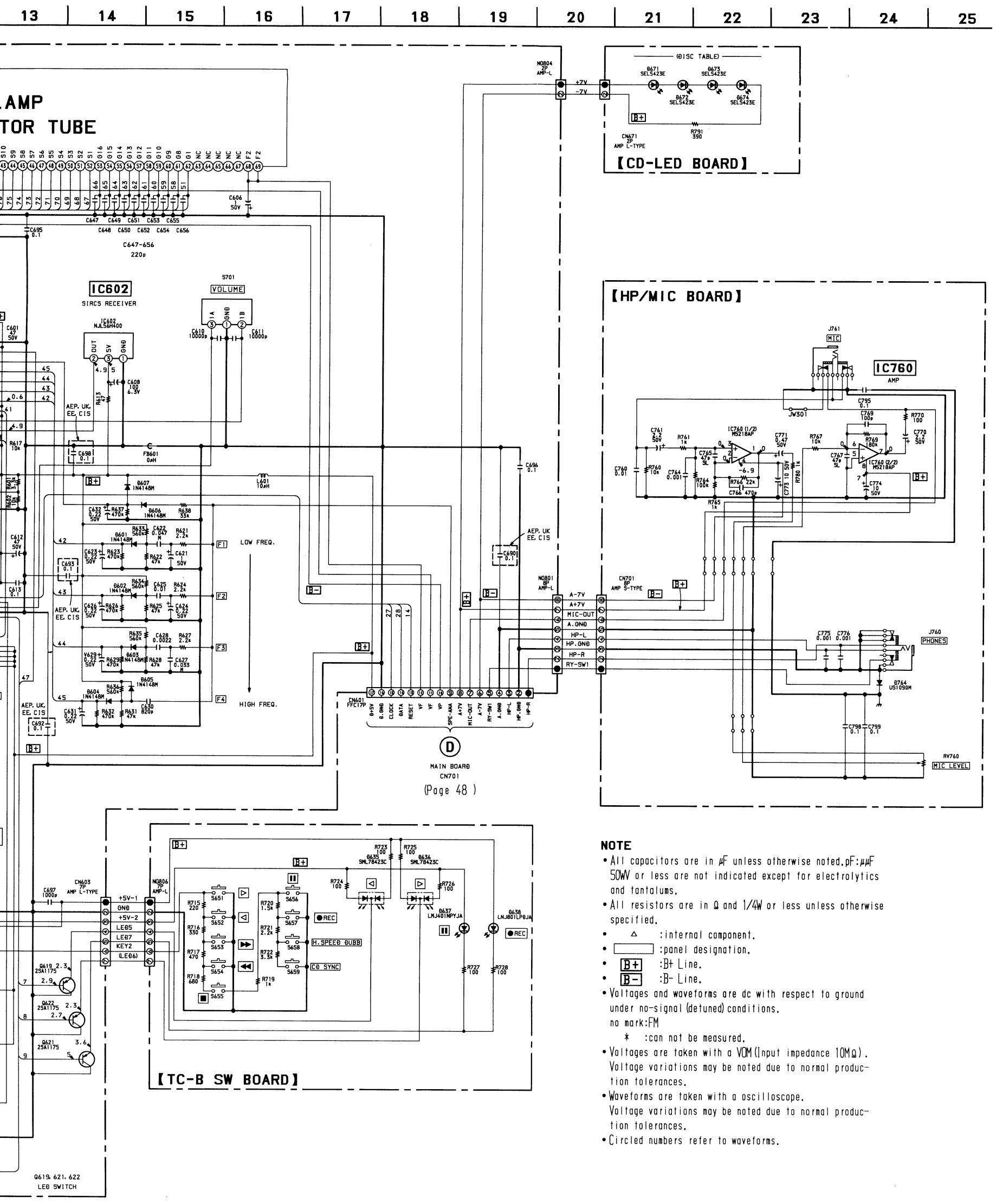
## 6-13. SCHEMATIC DIAGRAM — PANEL SECTION —

• See page 85 for IC Pin Functions.



• **Waveform**



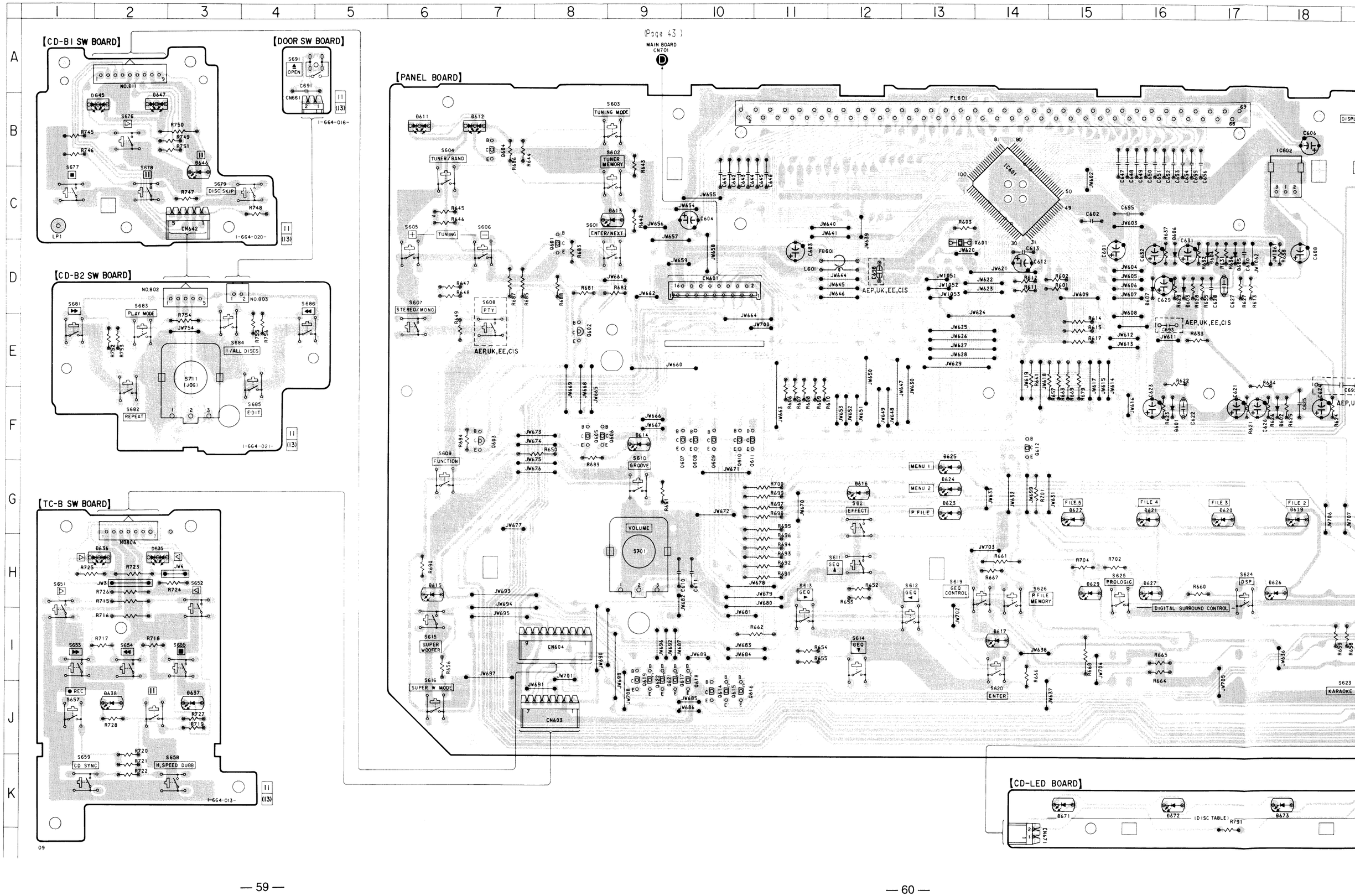



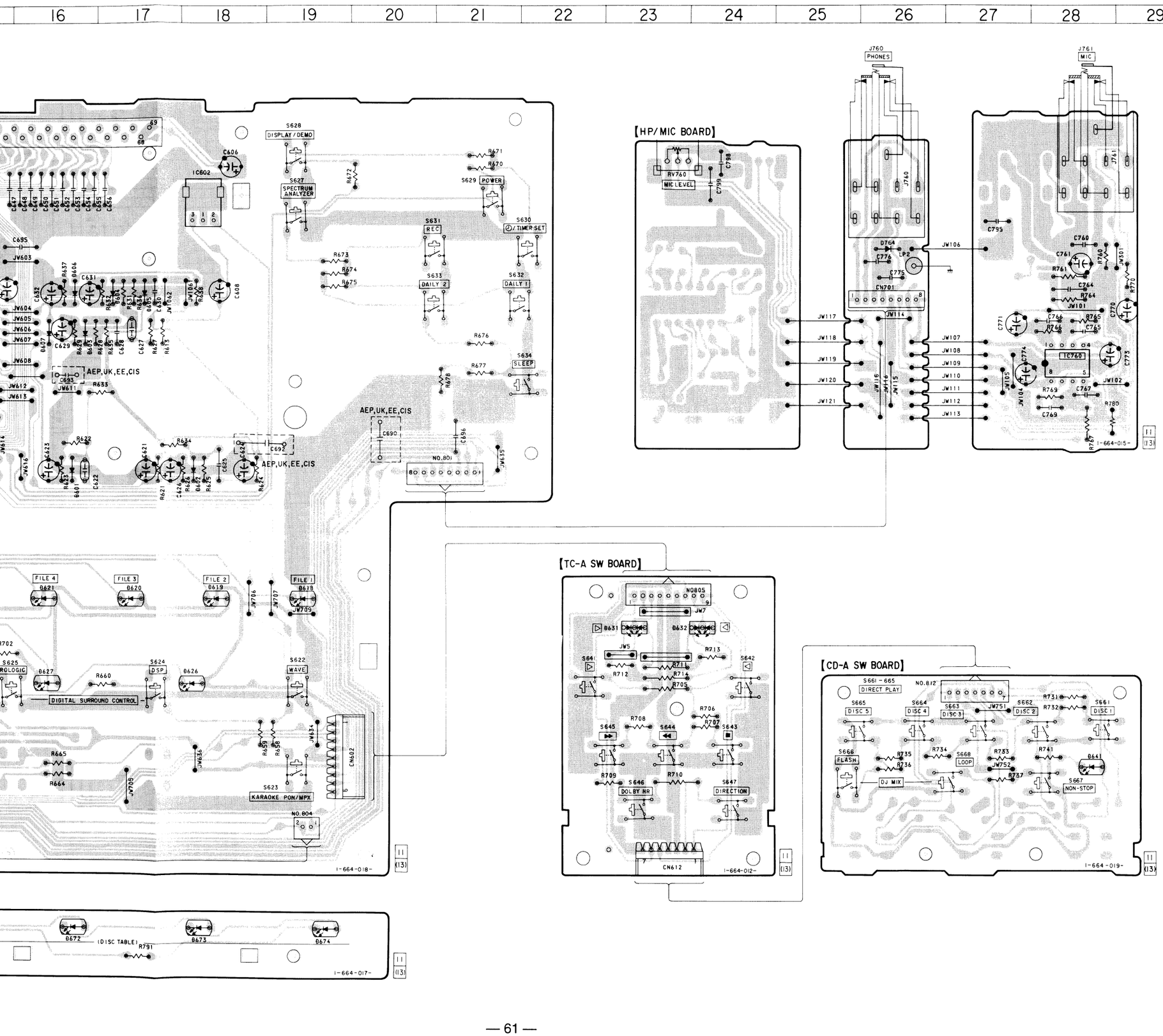

**NOTE**

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line.
- B- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
  * : can not be measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.

## 6-14. PRINTED WIRING BOARD — PANEL SECTION —

• See page 18 for Circuit Boards Location.






- **Semiconductor Location**

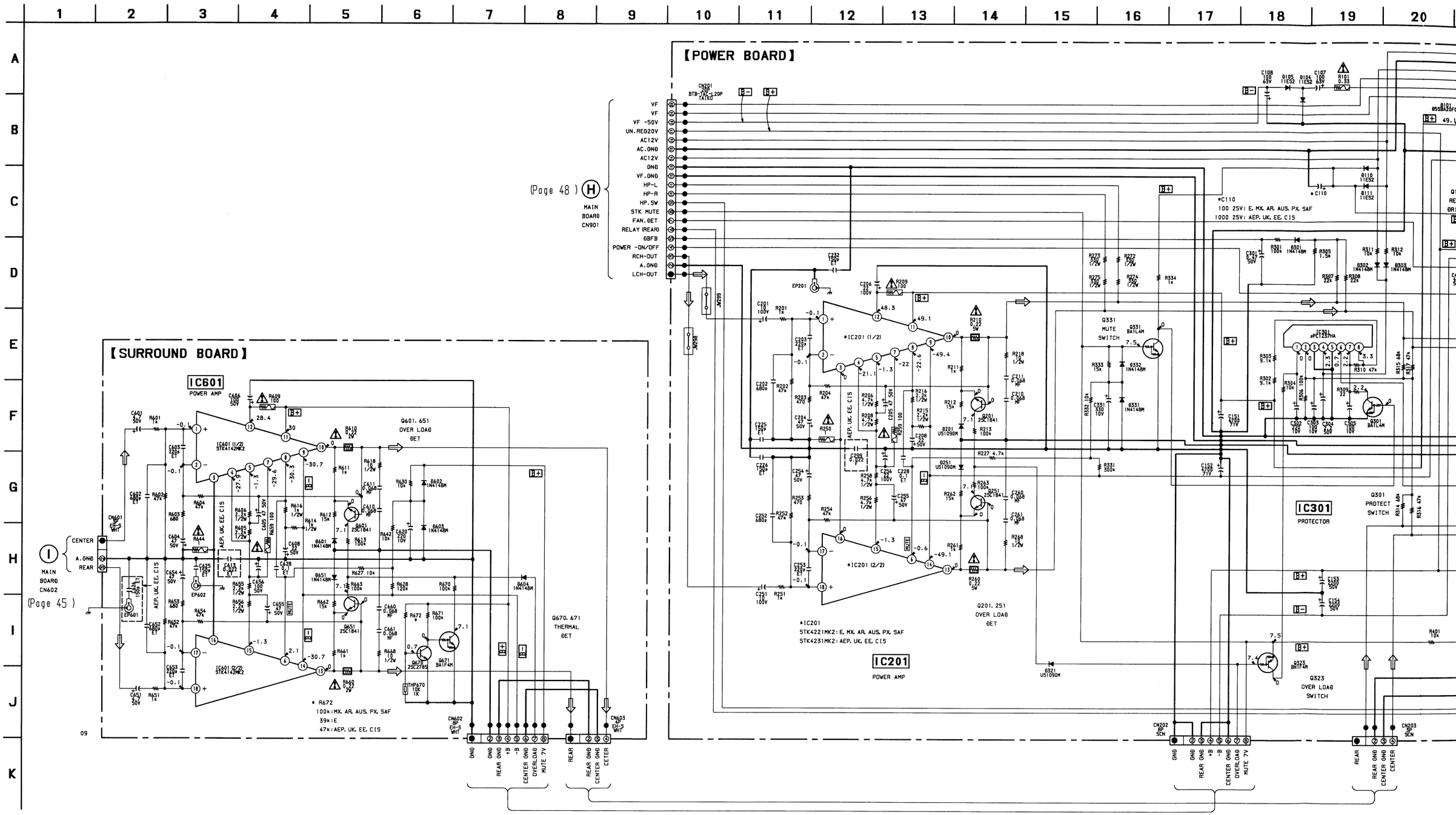
| Ref. No. | Location |
|---|---|
| D601 | F-16 |
| D602 | F-18 |
| D603 | D-16 |
| D604 | D-17 |
| D605 | D-17 |
| D606 | C-16 |
| D607 | D-16 |
| D611 | B-6 |
| D612 | B-7 |
| D613 | C-9 |
| D614 | F-9 |
| D615 | H-6 |
| D616 | G-12 |
| D617 | I-14 |
| D618 | G-19 |
| D619 | G-18 |
| D620 | G-17 |
| D621 | G-16 |
| D622 | G-15 |
| D623 | G-13 |
| D624 | G-13 |
| D625 | G-13 |
| D626 | H-18 |
| D627 | H-16 |
| D629 | H-15 |
| D631 | H-23 |
| D632 | H-23 |
| D635 | H-2 |
| D636 | H-2 |
| D637 | J-3 |
| D638 | J-2 |
| D641 | I-28 |
| D645 | B-2 |
| D646 | C-3 |
| D647 | B-2 |
| D671 | K-15 |
| D672 | K-16 |
| D673 | K-18 |
| D674 | K-19 |
| D764 | C-26 |
| IC601 | C-14 |
| IC602 | B-18 |
| IC706 | D-28 |
| Q601 | D-7 |
| Q602 | E-7 |
| Q603 | F-7 |
| Q604 | B-7 |
| Q605 | F-7 |
| Q606 | F-9 |
| Q607 | G-10 |
| Q608 | G-10 |
| Q609 | G-10 |
| Q610 | G-10 |
| Q611 | G-10 |
| Q612 | F-14 |
| Q614 | J-10 |
| Q615 | J-10 |
| Q616 | J-10 |
| Q617 | J-10 |
| Q618 | J-10 |
| Q619 | J-9 |
| Q621 | J-9 |
| Q622 | J-9 |

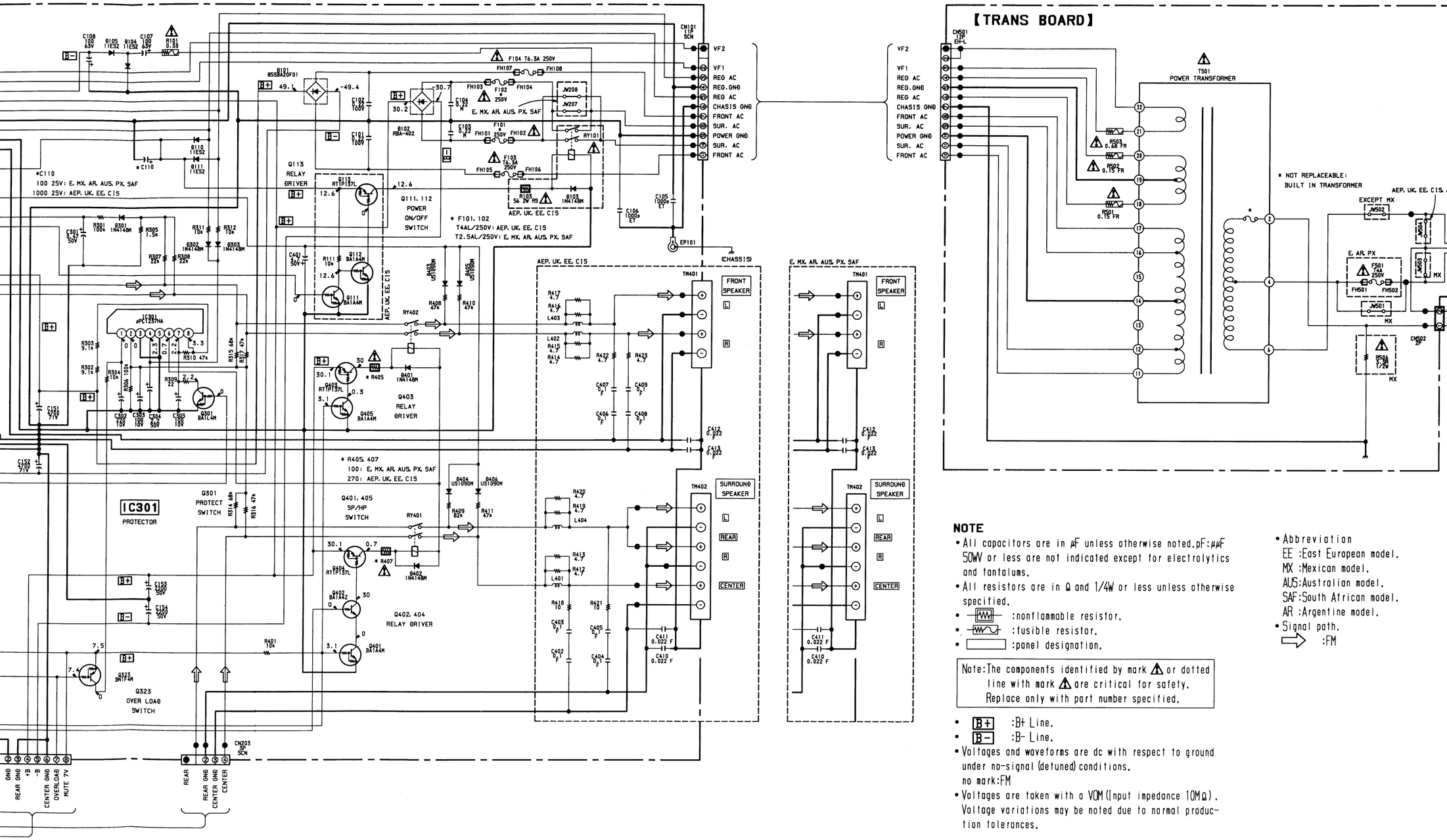
**Note:**

- ⟜—— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enable seeing.
- Abbreviation
  EE : East European model.

## 6-15. SCHEMATIC DIAGRAM — POWER SECTION —

• See page 79 for IC Block Diagrams.






## NOTE

- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ⊟ :nonflammable resistor.
- ⊟ :fusible resistor.
- ▭ :panel designation.

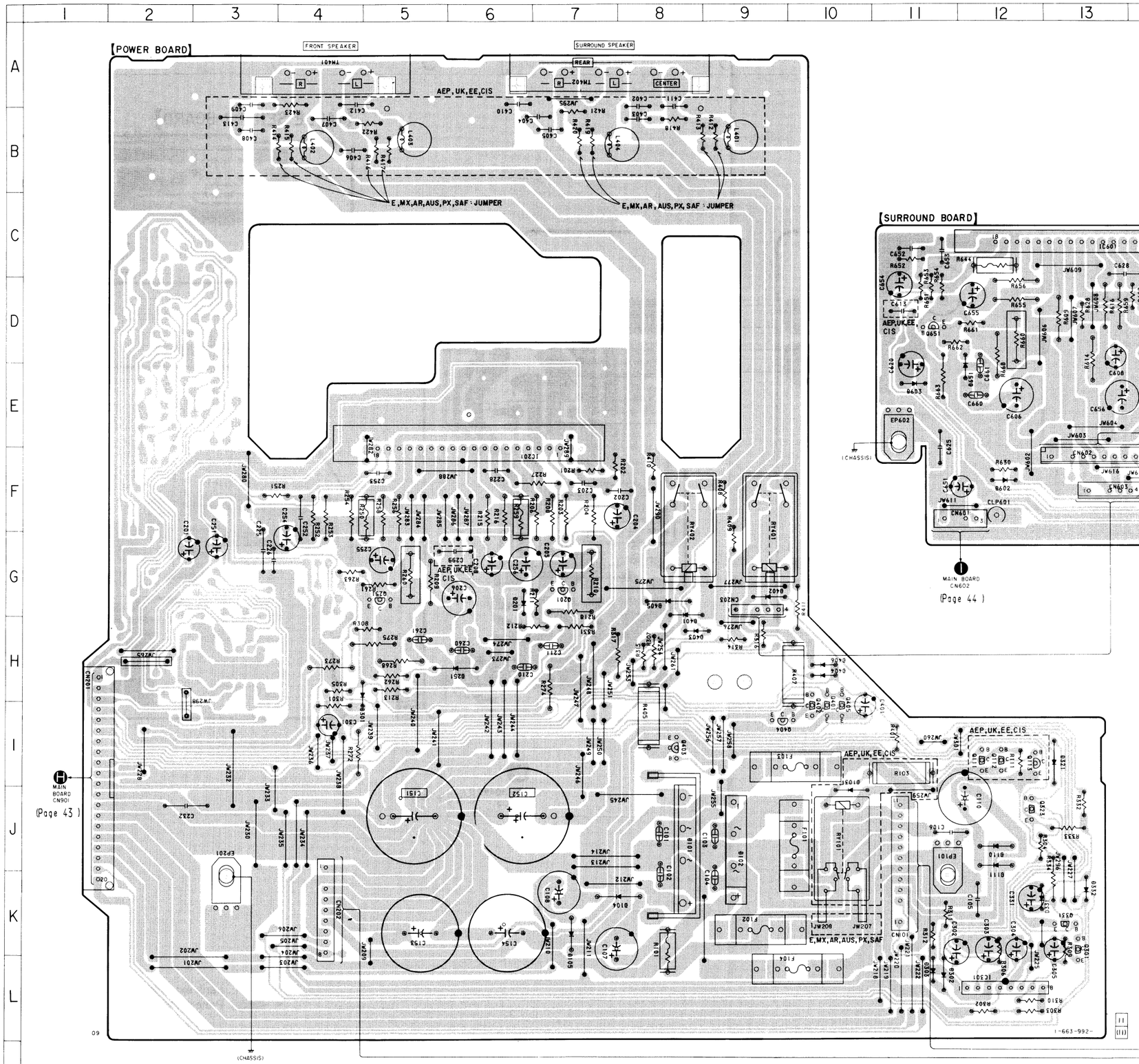
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

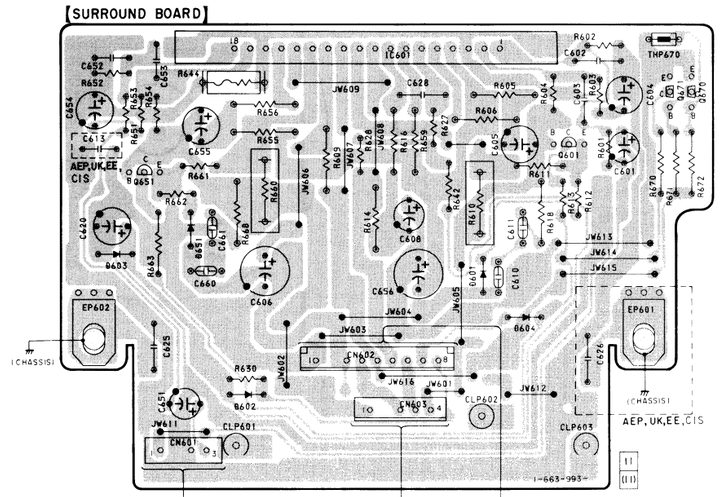
- B+ :B+ Line.
- B− :B− Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.

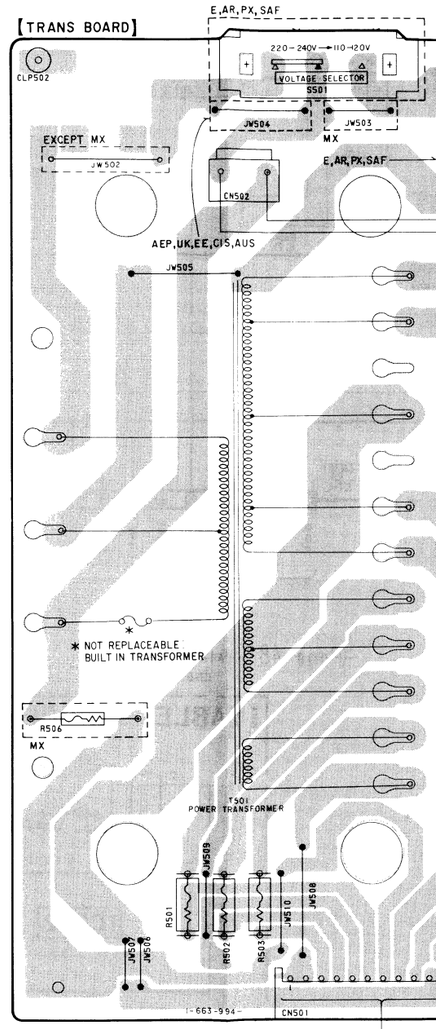
- Abbreviation
  EE : East European model.
  MX : Mexican model.
  AUS: Australian model.
  SAF: South African model.
  AR : Argentine model.
- Signal path.
  ⇨ :FM

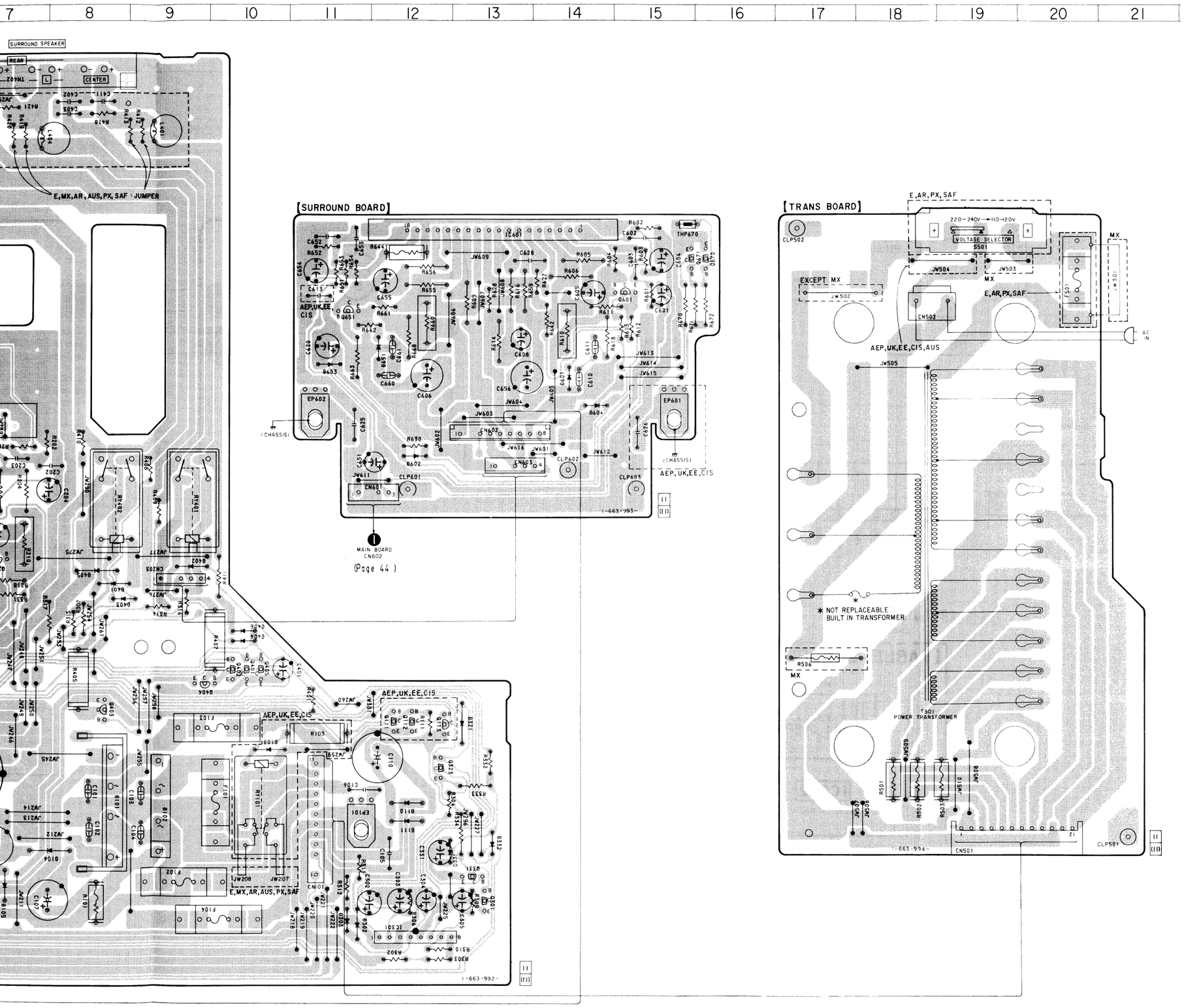
## 6-16. PRINTED WIRING BOARD — POWER SECTION —

• See page 18 for Circuit Boards Location.






- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D101 | J-8 |
| D102 | J-9 |
| D103 | I-10 |
| D104 | K-8 |
| D105 | K-7 |
| D110 | J-12 |
| D111 | J-12 |
| D201 | G-6 |
| D251 | H-6 |
| D301 | I-4 |
| D302 | L-11 |
| D303 | L-11 |
| D321 | I-13 |
| D331 | K-13 |
| D332 | K-13 |
| D401 | H-8 |
| D402 | G-9 |
| D403 | H-8 |
| D404 | H-10 |
| D405 | G-8 |
| D406 | H-10 |
| D601 | E-14 |
| D602 | F-12 |
| D603 | E-11 |
| D604 | E-14 |
| D651 | E-12 |
| IC201 | F-6 |
| IC301 | L-12 |
| IC601 | C-13 |
| Q111 | I-12 |
| Q112 | I-12 |
| Q113 | I-12 |
| Q201 | G-7 |
| Q251 | G-5 |
| Q301 | K-13 |
| Q323 | J-13 |
| Q331 | K-13 |
| Q401 | I-10 |
| Q402 | I-10 |
| Q403 | I-8 |
| Q404 | I-9 |
| Q405 | I-10 |
| Q601 | D-15 |
| Q651 | D-11 |
| Q670 | C-16 |
| Q671 | C-16 |

**Note:**

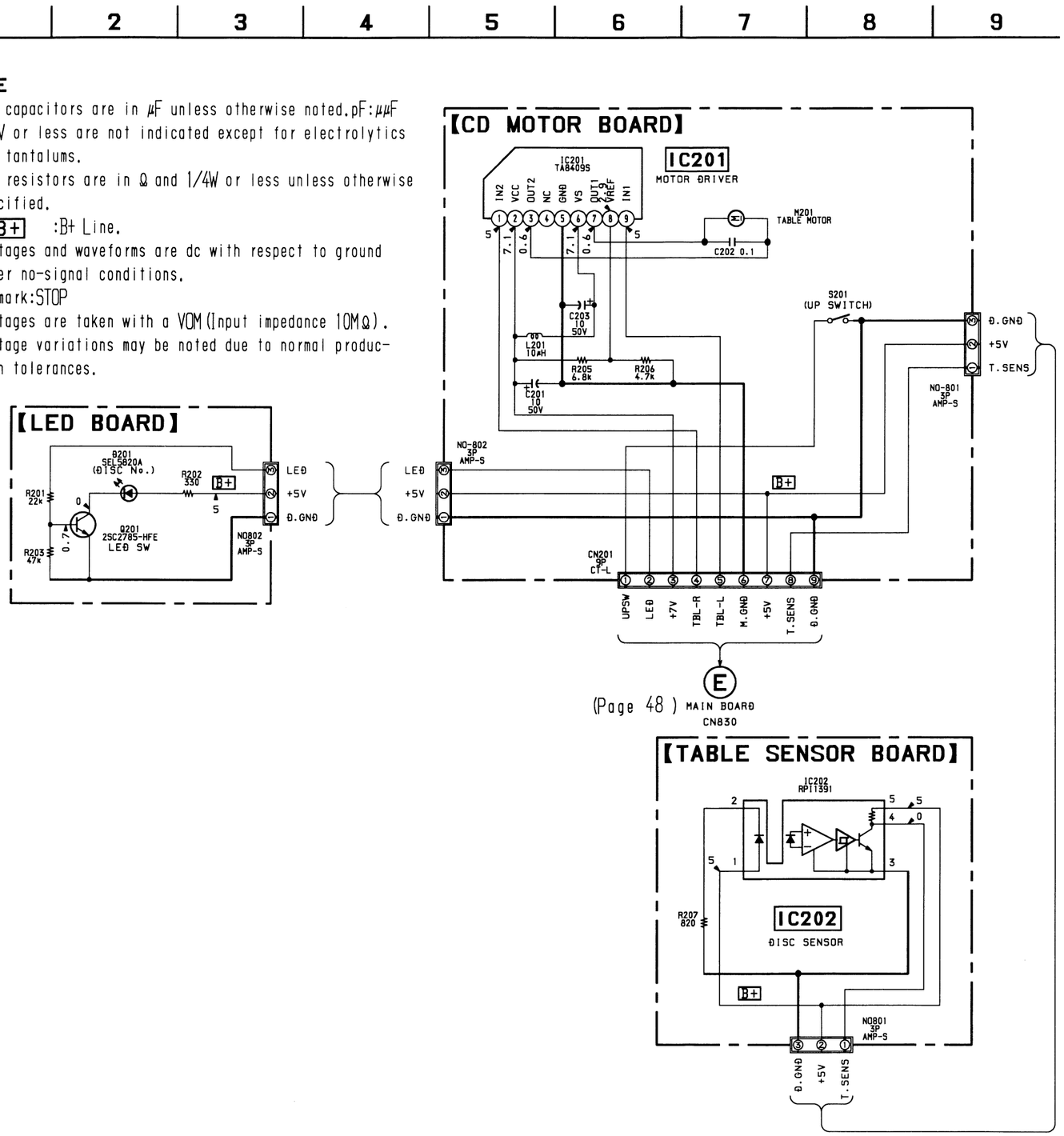
- ⟵ : parts extracted from the component side.
- : Pattern from the side which enable seeing.
- Abbreviation
  - EE : East European model.
  - MX : Mexican model.
  - AUS : Australian model.
  - AR : Argentine model.
  - SAF : South African model.

## 6-17. SCHEMATIC DIAGRAM — CD MOTOR SECTION —

• See page 79 for IC Block Diagrams.

**NOTE**

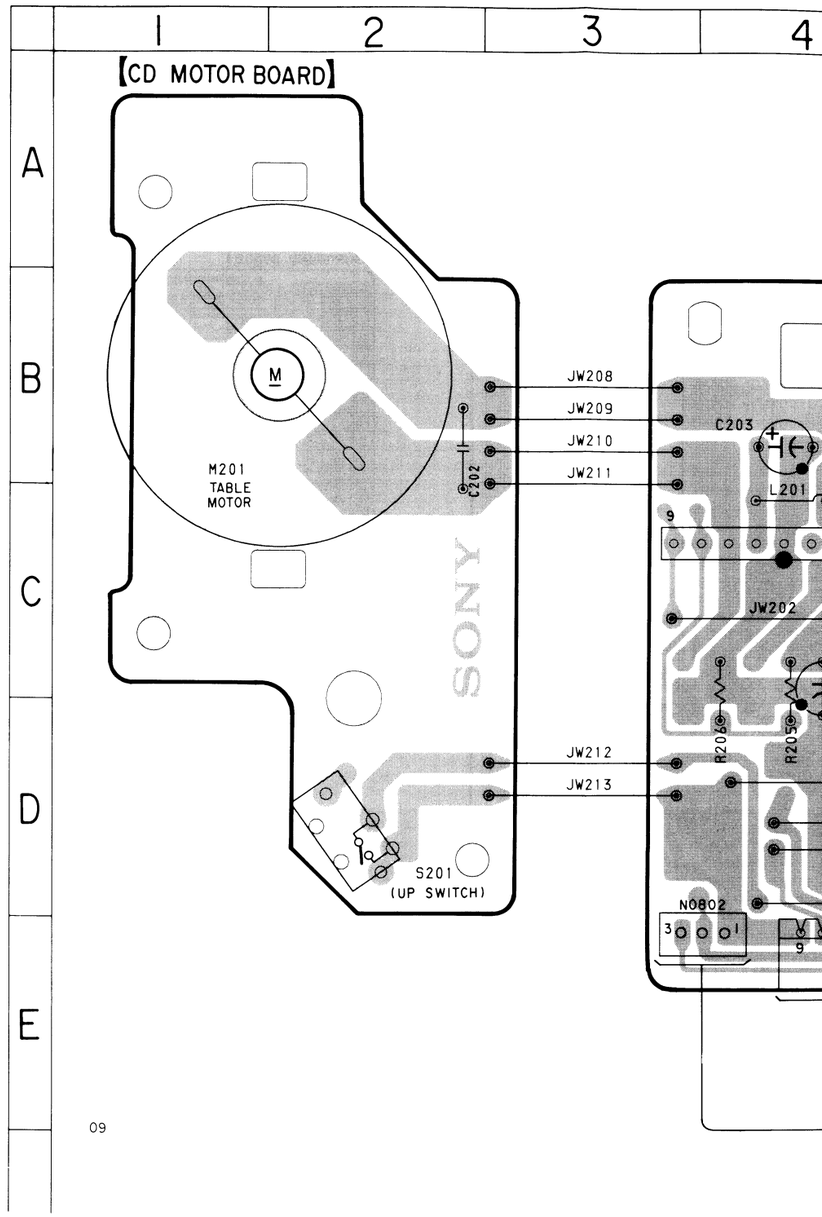
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- B+ :B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark: STOP
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.





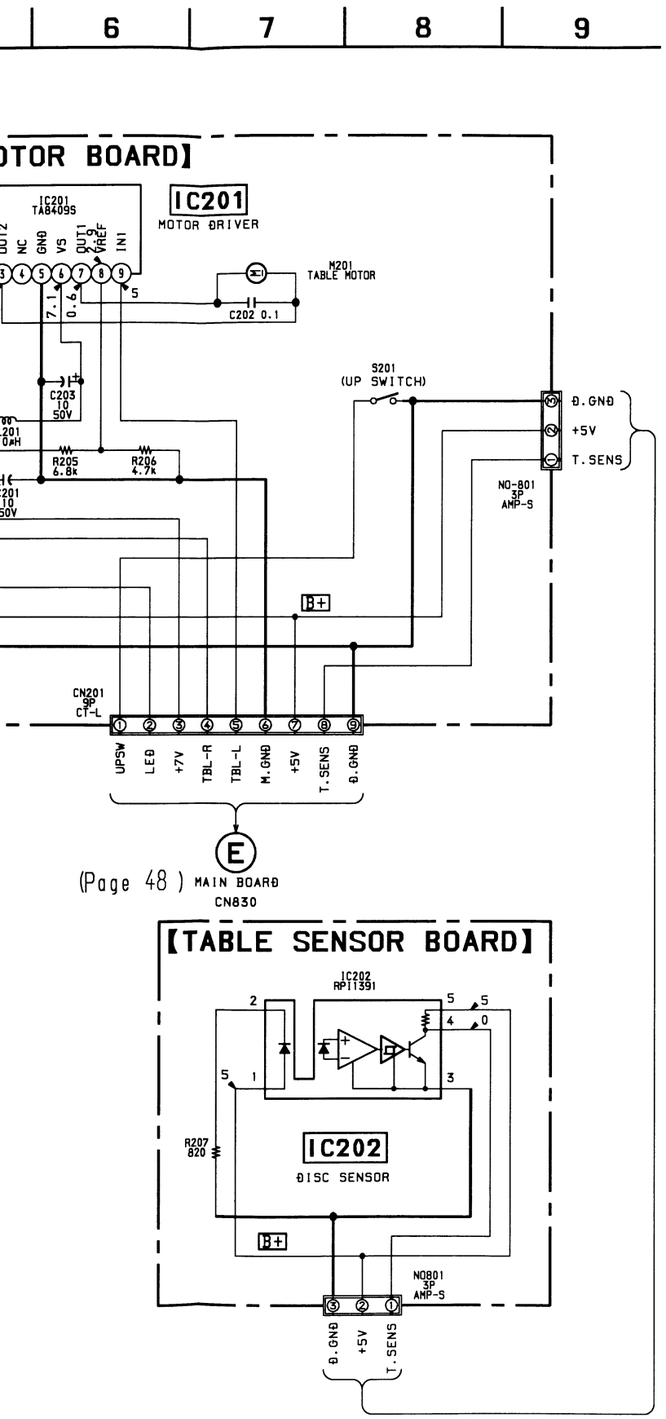

## 6-18. PRINTED WIRING BOARD — CD MOTOR SECTION —

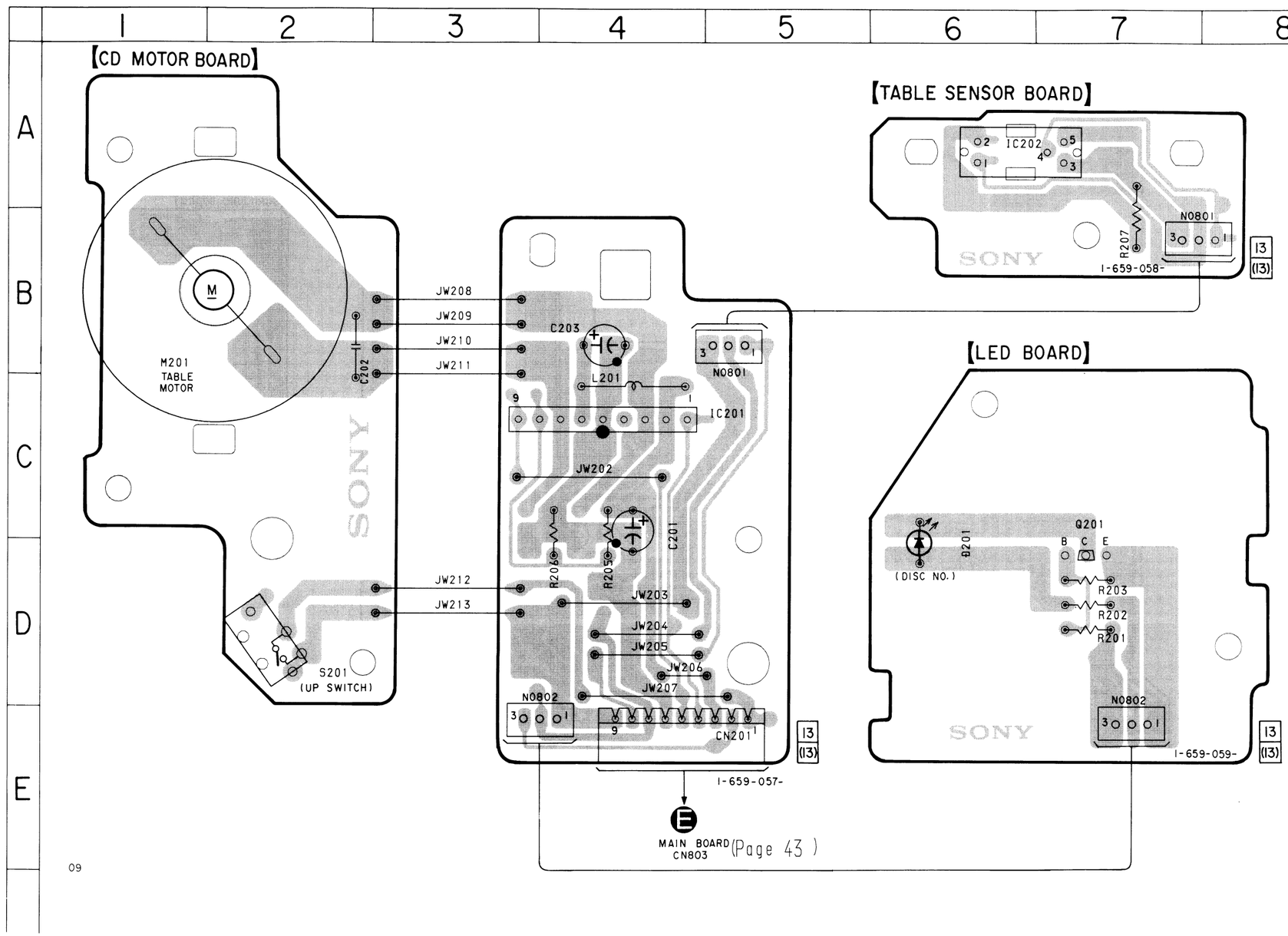
• See page 18 for Circuit Boards Location.



## 6-18. PRINTED WIRING BOARD — CD MOTOR SECTION —

• See page 18 for Circuit Boards Location.



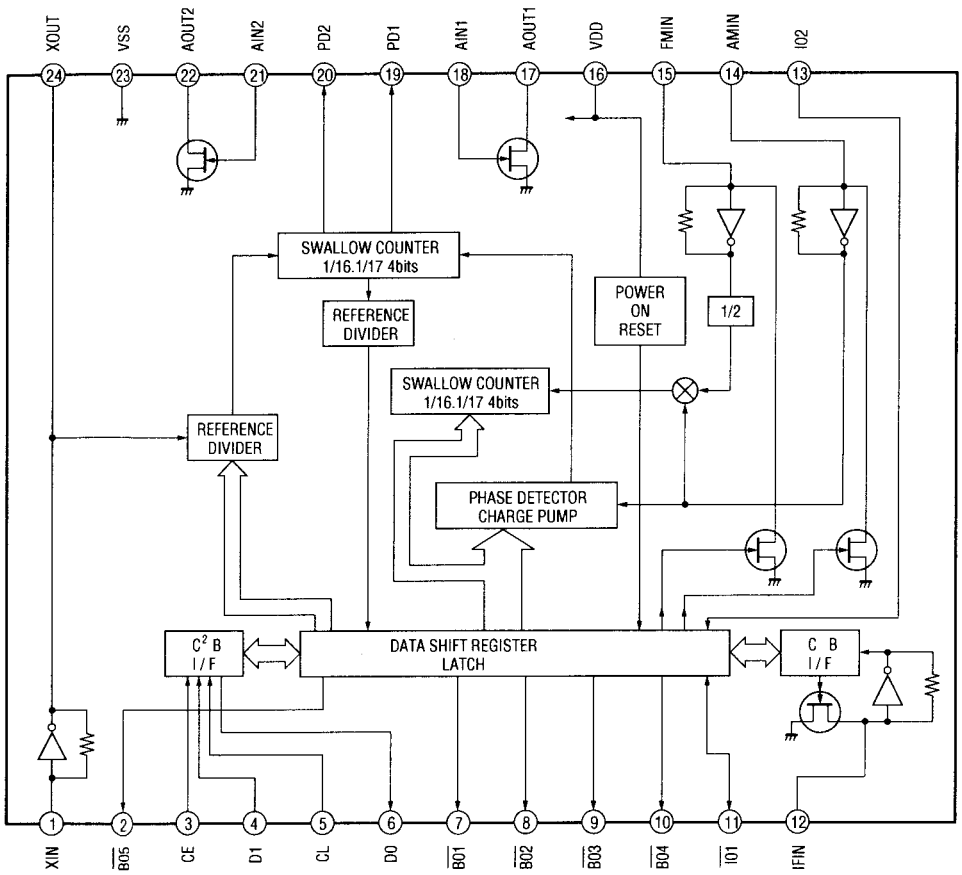

**Note:**

- ⟜: parts extracted from the component side.
- ▒: Pattern from the side which enable seeing.

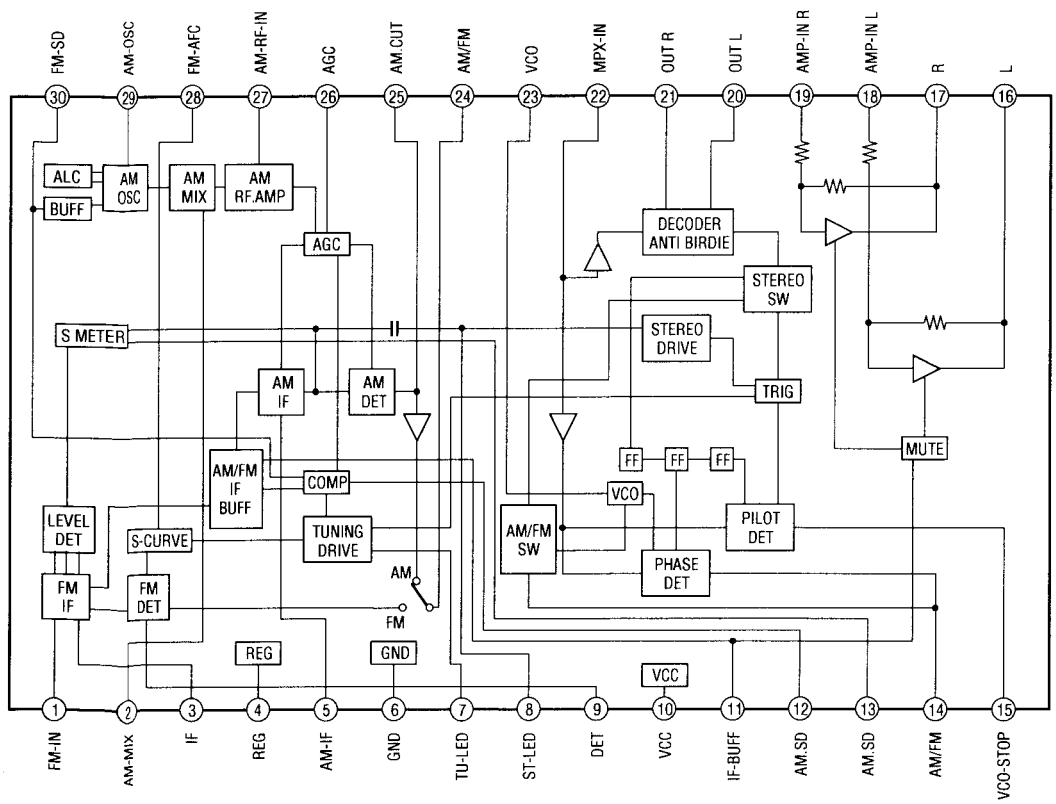
## 6-19. IC BLOCK DIAGRAMS

• **Tuner section**

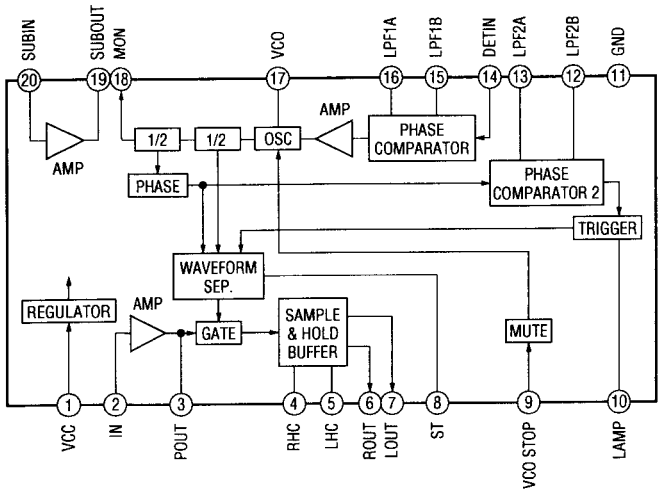
**IC21 LC72130**



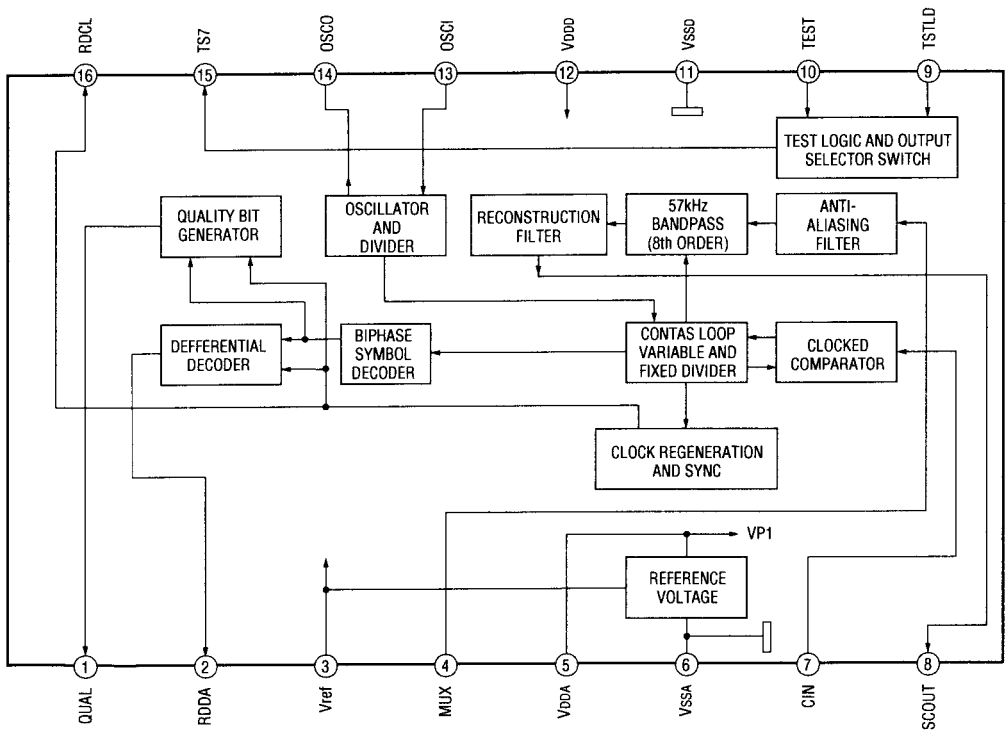

**IC41 LA1835**



## IC1701 IR3R42

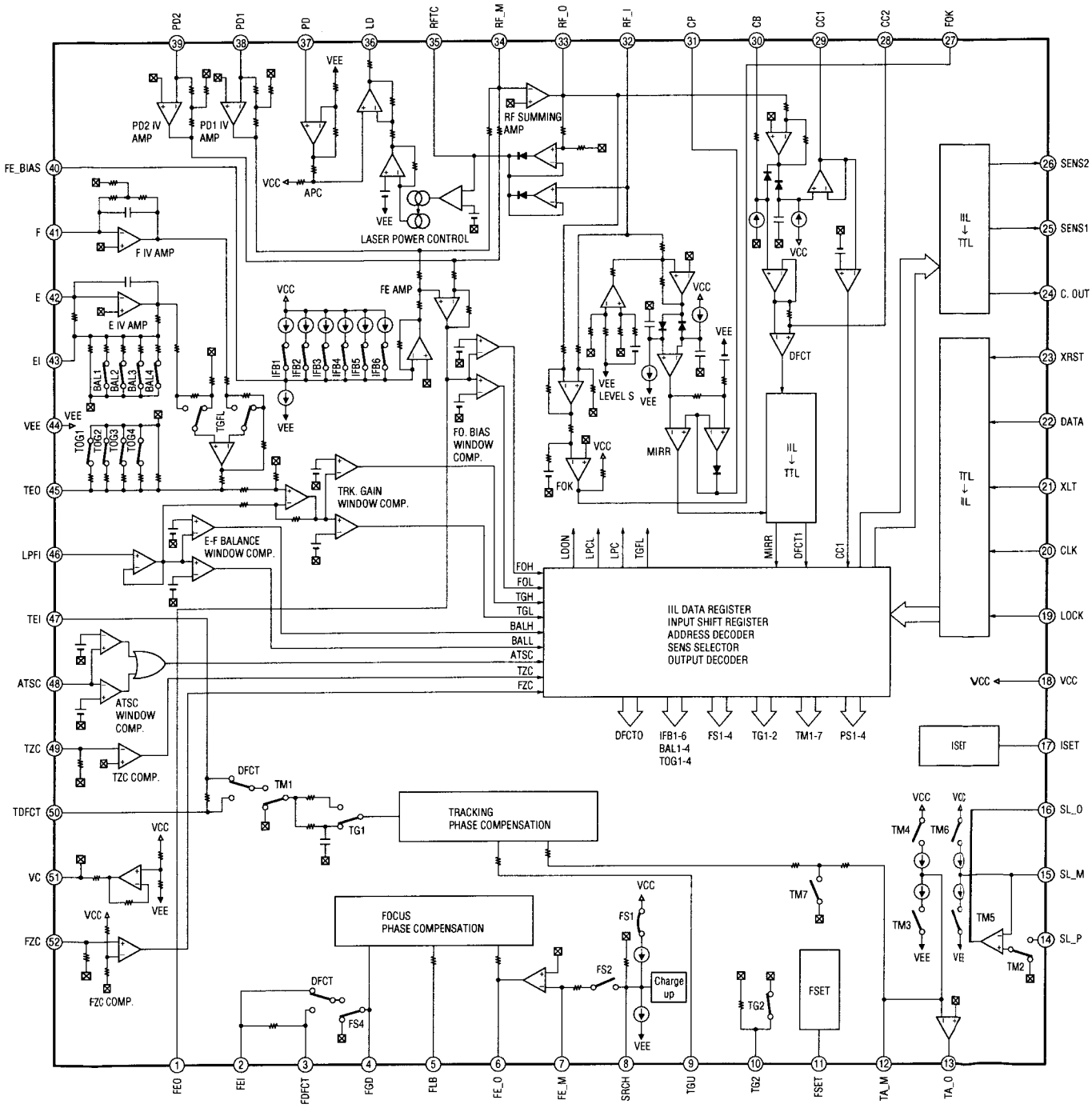



## IC1752 BU1922

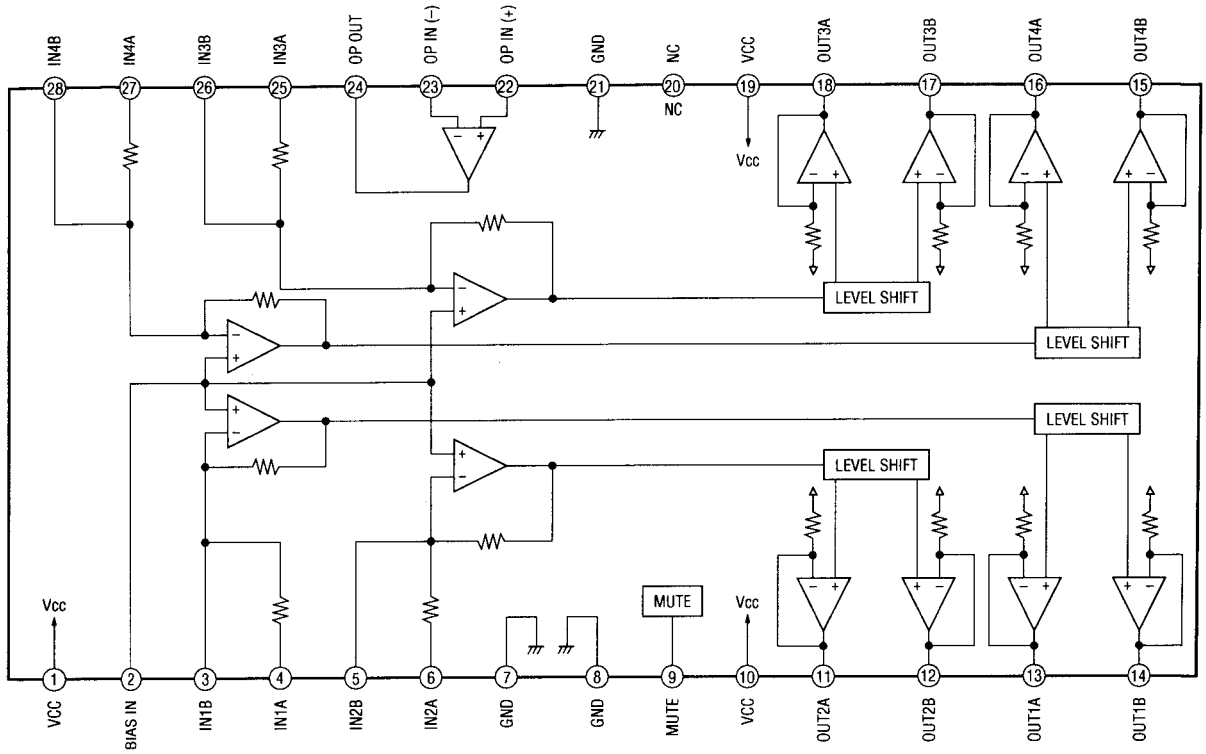


• **CD section**

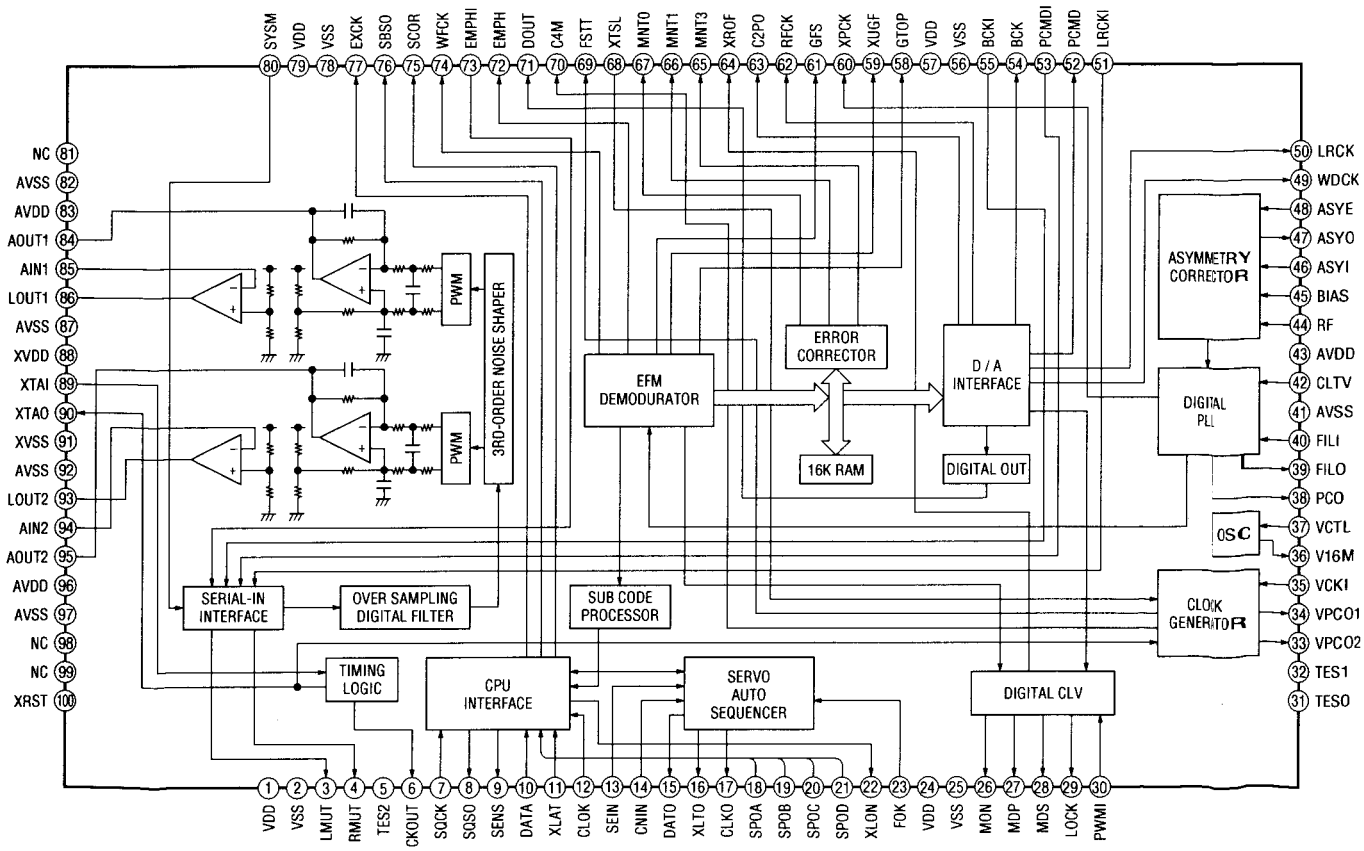
**IC101 CXA1992AR**



## IC102 BA5941FP

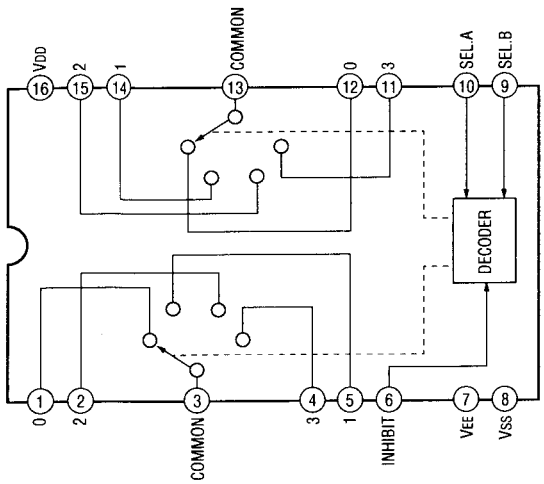



## IC103 CXD2519Q

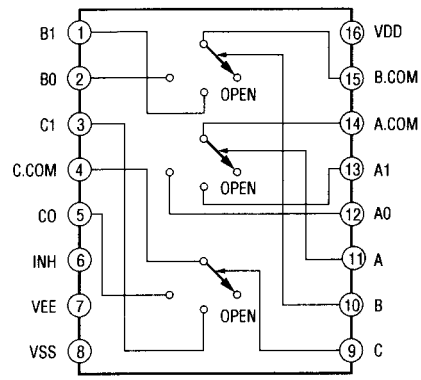


• **Main section**

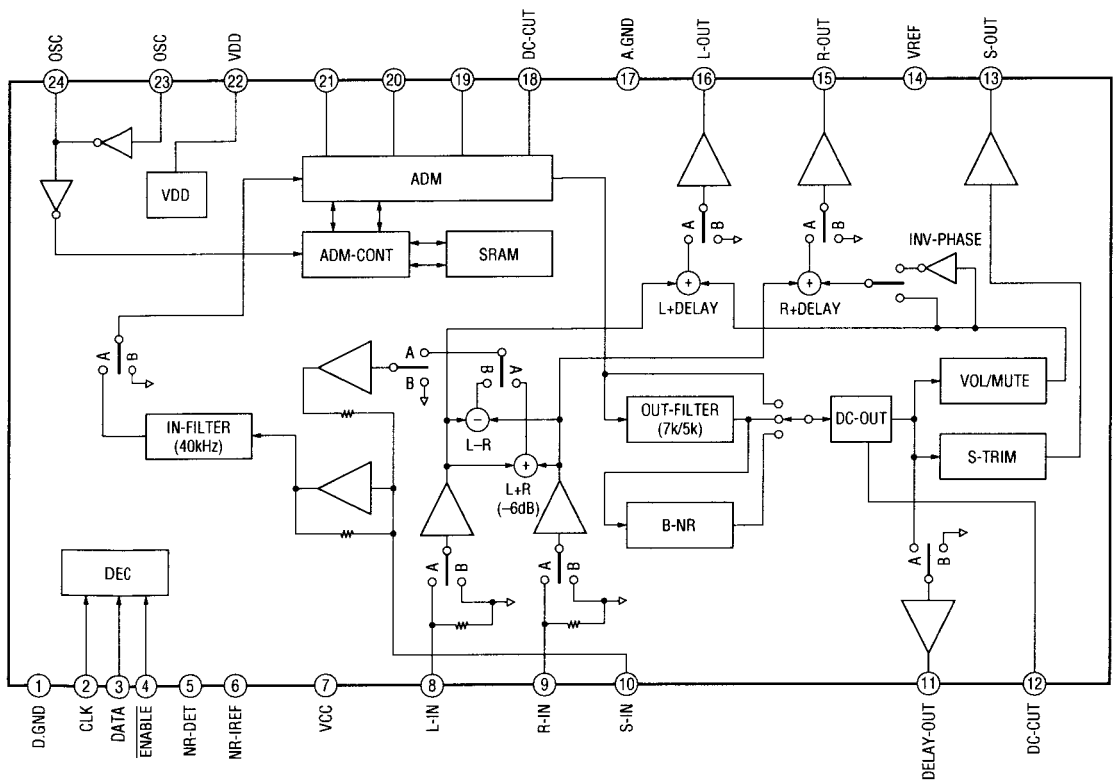
**IC102 MC14052BCP**



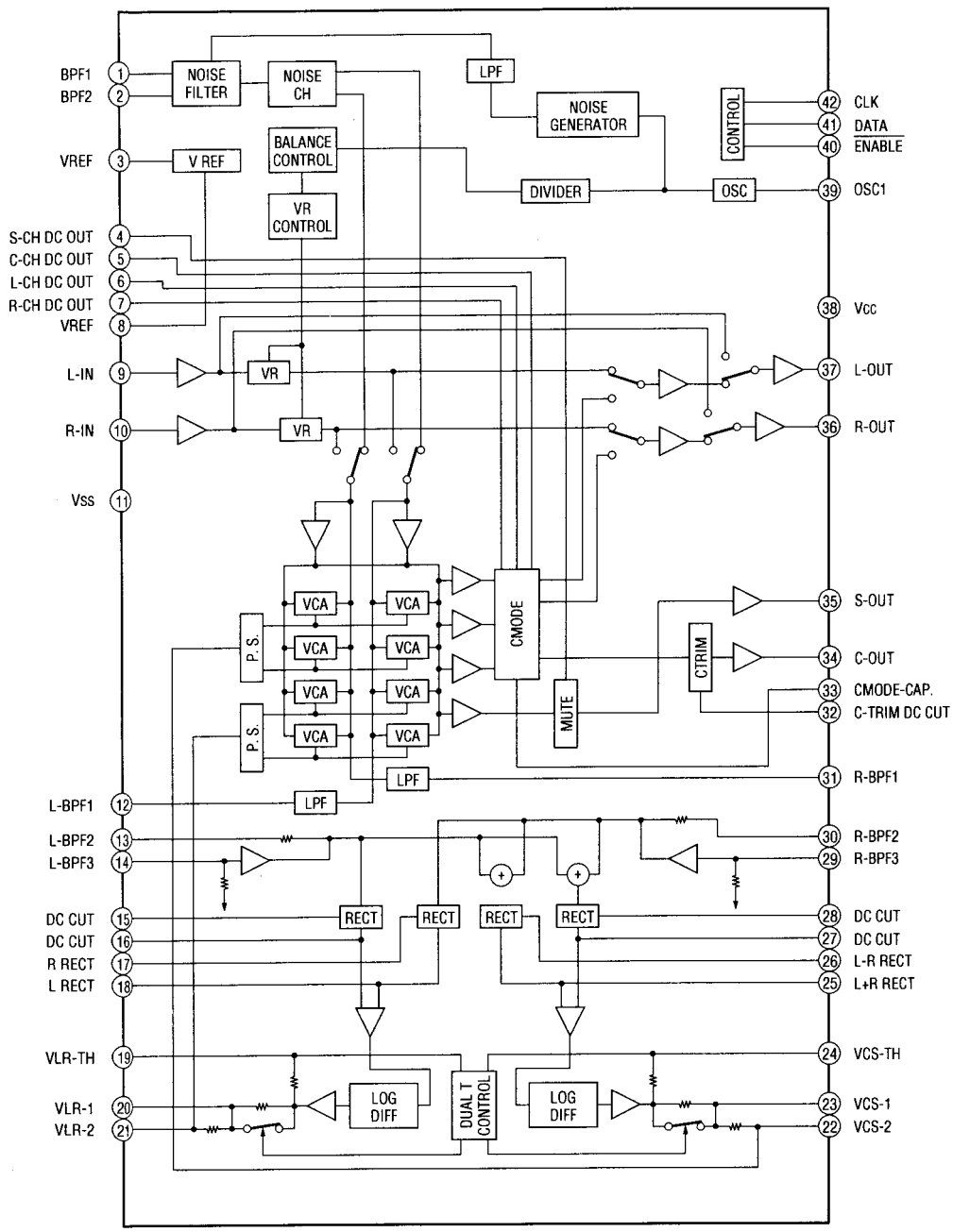

**IC103, 1702 MC14053BCP**



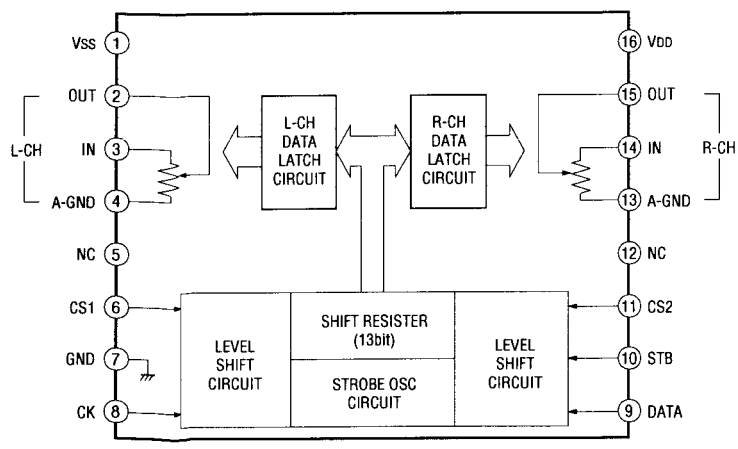

**IC602 LV1016**



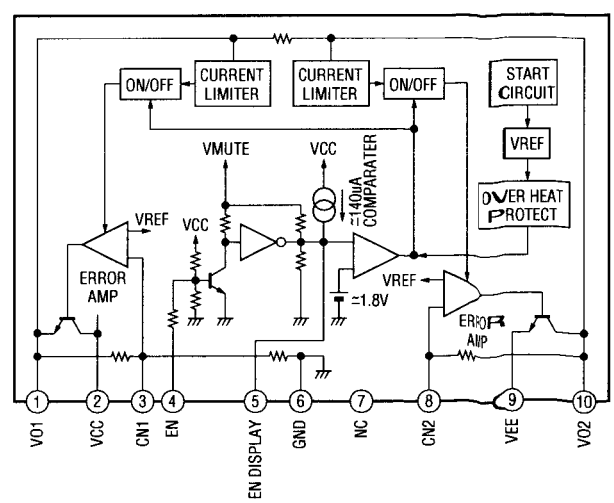
## IC601 LA2786




## IC604 TC9210P

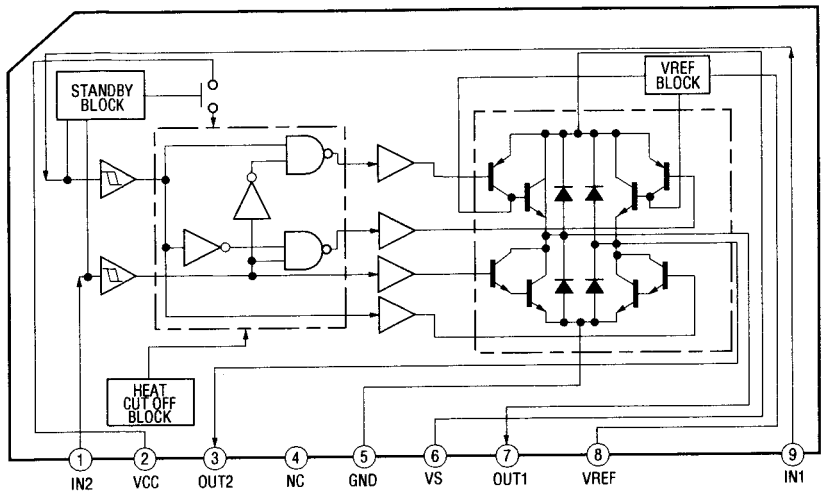



## IC901 LA5617



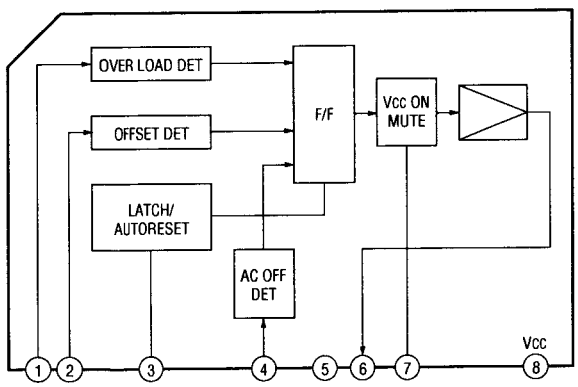
• **CD motor sectoin**

**IC201 TA8409S**



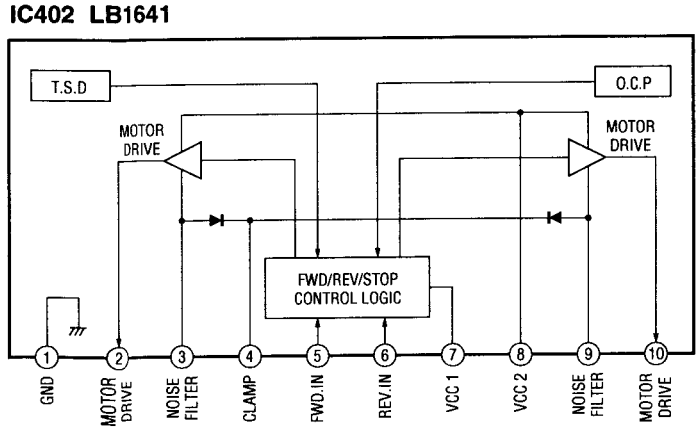

• **Power sectoin**

**IC301 uPC1237HA**

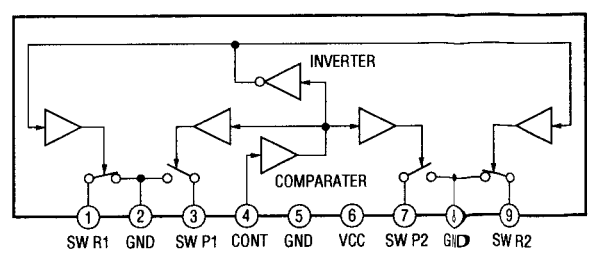



• **Deck sectoin**

**IC402 LB1641**




**IC602 uPC1330HA**



## 6-20. IC PIN FUNCTIONS

### • IC101 FOCUS/TRACKING/SLED SERVO RF AMP (CXA1992AR)

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 1 | FEO | O | Focus error amplifier output<br>Connected internally to the window comparator input for bias adjustment |
| 2 | FEI | I | Focus error input |
| 3 | FDFCT | I | Capacitor connection pin for defect time constant |
| 4 | FGD | I | Ground this pin through a capacitor for cutting the focus servo high-frequency gain |
| 5 | FLB | I | External time constant setting pin for boosting the focus servo low-frequency |
| 6 | FE O | O | Focus drive output |
| 7 | FE M | I | Focus amplifier inverted input |
| 8 | SRCH | I | External time constant setting pin for generating focus search waveform |
| 9 | TGU | I | External time constant setting pin for switching tracking high-frequency gain |
| 10 | TG2 | I | External time constant setting pin for switching tracking high-frequency gain |
| 11 | FSET | I | Peak frequency setting pin for focus and tracking phase compensation amplifier |
| 12 | TA M | I | Tracking amplifier inverted input |
| 13 | TA O | O | Tracking drive output |
| 14 | SL P | I | Sled amplifier non-inverted input |
| 15 | SL M | I | Sled amplifier inverted input |
| 16 | SL O | O | Sled drive output |
| 17 | ISET | I | Connect an external capacitance to set the current which determines the Focus search, Track jump, and Sled kick heights |
| 18 | Vcc | I | Positive power supply |
| 19 | LOCK | I | The sled overrun prevention circuit operates when this pin is Low (No pull-up resistance) |
| 20 | CLK | I | Serial data transfer clock input from CPU (No pull-up resistance) |
| 21 | XLT | I | Lach input from CPU (No pull-up resistance) |
| 22 | DATA | I | Serial data input from CPU (No pull-up resistance) |
| 23 | XRST | I | Reset input; resets at Low (No pull-up resistance) |
| 24 | C.OUT | O | Track number count signal output |
| 25 | SENS1 | O | Outputs FZC, DFCT1, TZC, BALH, TGH, FOH, ATSC, and others according to the command from CPU |
| 26 | SENS2 | O | Outputs DFCT2, MIRR, BALL, TGL, FOL,and others according to the command from CPU |
| 27 | FOK | O | Focus OK comparator output |
| 28 | CC2 | I | Input for the defect bottom hold output with capacitance coupled |
| 29 | CC1 | O | Defect bottom hold output<br>Connected internally to the interruption comparator input |
| 30 | CB | I | Connection pin for defect bottom hold capacitor |
| 31 | CP | I | Connection pin for MIRR hold capacitor<br>MIRR comparator non-inverted input |
| 32 | RF I | I | Input for the RF summing amplifier output with capacitance coupled |
| 33 | RF O | O | RF summing amplifier output<br>Eye-pattern check point |

• Abbreviation
FZC : Focus zero-cross
DFCT : Defect
TZC : Tracking zero-cross
BALH : E-F Balance (High)
TGH : Tracking Gain (High)
FOH : Focus Bias (High)
ATSC : Auti Shock
MIRR : Mirror
BALL : E-F Balance (Low)
TGL : Tracking Gain (LOW)
FOL : Foucas Bias (LOW)

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 34 | RF M | I | RF summing amplifier inverted input<br>The RF amplifier gain is determined by the resistance connected between this pin and RFO pin |
| 35 | RFTC | I | External time constant setting pin during RF level control |
| 36 | LD | O | APC amplifier output |
| 37 | PD | I | APC amplifier input |
| 38 | PD1 | I | RF I-V amplifier inverted input<br>Connect these pins to the photo diode A+C and B+D pins |
| 39 | PD2 | I | |
| 40 | FE BIAS | I | Bias adjustment of focus error amplifier<br>Leave this pin open for automatic adjustment |
| 41 | F | I | F I-V and E I-V amplifier inverted input<br>Connect these pins to photo diodes F and E |
| 42 | E | I | |
| 43 | EI | – | I-V amplifier E gain adjustment<br>(When not using automatic balance adjustment) |
| 44 | VEE | – | Negative power supply |
| 45 | TEO | O | Tracking error amplifier output<br>E-F signal is output |
| 46 | LPFI | I | Comparator input for balance adjustment<br>(Input from TEO through LPF) |
| 47 | TEI | I | Tracking error input |
| 48 | ATSC | I | Window comparator input for ATSC detection |
| 49 | TZC | I | Trackig zero-cross comparator input |
| 50 | TDFCT | I | Capacitor connection pin for defect time constant |
| 51 | VC | O | (VCC + VEE)/2 direct voltage output |
| 52 | FZC | I | Focus zero-cross comparator input |

• Abbreviation
APC : Auto Power Control

• **IC103 DIGITAL SIGNAL PROCESSOR (CXD2519Q)**

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 1 | VDD | – | +5V power supply |
| 2 | VSS | – | Ground |
| 3 | LMUT | O | Lch "L" detection flog (Not used) |
| 4 | RMUT | O | Rch "L" detection flog (Not used) |
| 5 | ACDT | O | Test output (Not used) |
| 6 | CKOUT | O | Master clock divider output (Not used) |
| 7 | SQCK | I | Clock input for SQSO read out |
| 8 | SQSO | O | Serial output for Sub-Q 80bit |
| 9 | SENS | O | SENS signal output to CPU |
| 10 | DATA | I | Serial data input, supplied from CPU |
| 11 | XLAT | I | Latch input, supplied from CPU |
| 12 | CLOK | I | Serial data transfer clock input, supplied from CPU |
| 13 | SEIN | I | SENS input from IC101 |
| 14 | CNIN | I | Numbers of track jump counted signal input |
| 15 | DATO | O | Serial data output to IC101 |
| 16 | XLTO | O | Serial data latch output to IC101 |
| 17 | CLKO | O | Serial data transfer clock output to IC101 |
| 18 | SPOA | I | Micro computer demodulation interface (Input A) |
| 19 | SPOB | I | Micro computer demodulation interface (Input B) |
| 20 | SPOC | I | Micro computer demodulation interface (Input C) |
| 21 | SPOD | I | Micro computer demodulation interface (Input D) |
| 22 | XLON | O | Micro computer demodulation interface (Output) |
| 23 | FOK | I | Focus OK input |
| 24 | VDD | – | +5V power supply |
| 25 | VSS | – | Ground |
| 26 | MON | O | Output to control ON/OFF of spindle motor (Not used) |
| 27 | MDP | O | Output to control spindle motor servo |
| 28 | MDS | O | Output to control spindle motor servo (Not used) |
| 29 | LOCK | O | GFS is sampled by 460Hz |
| 30 | PWMI | I | Input to control the outside spindle motor |
| 31 | TES0 | I | Test pin (Connected to ground) |
| 32 | TES1 | I | Test pin (Connected to ground) |
| 33 | VPCO2 | O | Charge-pump output (Not used) |
| 34 | VPCO1 | O | Charge-pump output (Not used) |
| 35 | VCKI | I | VCO2 oscillator input (Not used) |
| 36 | V16M | O | VCO2 oscillator output (Not used) |
| 37 | VCTL | I | VCO2 control voltage input |
| 38 | PCO | O | Charge-pump output to master PLL |
| 39 | FILO | O | Filter output to master PLL |
| 40 | FILI | I | Filter input for master PLL |

• Abbreviation
GFS : Guarded Frame Sync
PLL : Phase Locked Loop

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 41 | AVSS | – | Analog ground |
| 42 | CLTV | I | Control voltage input for VCO |
| 43 | AVDD | – | Analog power supply |
| 44 | RF | I | EFM signal input |
| 45 | BIAS | I | Asymmetry circuit constant current input |
| 46 | ASYI | I | Asymmetry comparate voltage input |
| 47 | ASYO | O | EFM full swing output ("L" =Vss, "H" =VDD) |
| 48 | ASYE | I | Asymmetry circuit ON/OFF ("L"=OFF, "H"=ON) |
| 49 | WDCK | O | D/A interface Word clock f=2fs (Not used) |
| 50 | LRCK | O | D/A interface LR clock output f=Fs |
| 51 | LRCKI | I | D/A interface LR clock input f=Fs |
| 52 | PCMD | O | D/A interface Serial data output |
| 53 | PCMDI | I | D/A interface Serial data input |
| 54 | BCK | O | D/A interface Bit clock output |
| 55 | BCKI | I | D/A interface Bit clock input |
| 56 | VSS | – | Ground |
| 57 | VDD | – | +5V power supply |
| 58 | GTOP | O | Not used |
| 59 | XUGF | O | Not used |
| 60 | XPLCK | O | EFM decoder PLL clock output |
| 61 | GFS | O | "H" Playback EFM sync and interpolation protection timming much |
| 62 | RFCK | O | Read Frame Clock signal output |
| 63 | C2PO | O | Not used |
| 64 | XRAOF | O | Internal RAM overflow detection signal output (Not used) |
| 65 | MNT3 | O | Not used |
| 66 | MNT1 | O | Not used |
| 67 | MNT0 | O | Not used |
| 68 | XTSL | I | Not used |
| 69 | FSTT | O | 2/3 divider output (Not used) |
| 70 | C4M | O | 4.2336MHz output(Not used) |
| 71 | DOUT | O | Digital audio signal output |
| 72 | EMPH | O | Playback disc output in emphasis mode |
| 73 | EMPHI | I | "H" =Input when de-emphasis ON |
| 74 | WFCK | O | Write Frame Clock signal output |
| 75 | SCOR | O | Sub-code sync output |
| 76 | SBSO | O | Sub-P through Sub-W serial output |
| 77 | EXCK | I | Clock input for SBSO read-out |
| 78 | VSS | – | Ground |
| 79 | VDD | – | +5V power supply |
| 80 | SYSM | I | System mute input |

• Abbreviation
EFM : Eight to Fourteen Modulation

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 81 | — | – | Not used |
| 82 | AVSS | – | Analog ground |
| 83 | AVDD | – | Analog power supply |
| 84 | AOUT1 | O | Lch analog output |
| 85 | AIN1 | I | Lch opamp input |
| 86 | LOUT1 | O | Lch line output |
| 87 | AVSS | – | Analog ground |
| 88 | XVDD | – | Master clock power supply |
| 89 | XTAI | I | X'tal oscillator circuit input |
| 90 | XTAO | O | X'tal oscillator circuit output |
| 91 | XVSS | – | Master clock ground |
| 92 | AVSS | – | Analog ground |
| 93 | LOUT2 | O | Rch line output |
| 94 | AIN2 | I | Rch opamp input |
| 95 | AOUT2 | O | Rch analog output |
| 96 | AVDD | – | Analog power supply |
| 97 | AVSS | – | Analog ground |
| 98 | — | – | Not used |
| 99 | — | – | Not used |
| 100 | XRST | I | Sysyem reset input |

• **IC601 DISPLAY CONTROL (TMP87CH75-6554)**

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 1 | SEG35 | O | FL segment signal output |
| 2 | VLOAD | – | Power supply (–25V) for FL segment signal output |
| 3 to 10 | LED1 to LED8 | O | LED driver output |
| 11 | VSS | – | Ground |
| 12 | X-OUT | O | X'tall (8MHz) |
| 13 | X-IN | I | |
| 14 | RESET | I | Reset signal input from main controller |
| 15 | LED 9 | O | Connected ground |
| 16 | LED10 | O | |
| 17 | TEST | I | |
| 18 to 23 | LED11 to LED16 | O | LED driver output |
| 24 | VOL-A | O | Rotary encoder (S701) pulse input |
| 25 | LED17 | O | LED driver output |
| 26 | JOG-A | I | Rotaly encoder (S711) pulse input |
| 27 | CLOCK | I | Serial clock input from main controller |
| 28 | DATA | I | Serial data input from main controller |
| 29 | LED SELECT | O | LED select signal output |
| 30 | VDD | – | Power supply (+5V) |
| 31 | VSS | – | Ground |
| 32 | MODEL | I | Version select signal input |
| 33 to 37 | KEY1 to KEY5 | I | Key input |
| 38 | DOOR SW | I | DOOR SW (S691) ON/OFF signal input |
| 39 | SIRCS | I | Remote commander signal input |
| 40 | VOL-B | I | Rotary encoder (S701) pulse input |
| 41 | JOG-B | I | Rotary encoder (S711) pulse input |
| 42 | SPEANA-1 | I | Spectrum analyzer input |
| 43 | SPEANA-2 | I | Spectrum analyzer input |
| 44 | SPEANA-3 | I | Spectrum analyzer input |
| 45 | SPEANA-4 | I | Spectrum analyzer input |
| 46 | L + R | I | Spectrum analyzer (high frequency) input |
| 47 | LED18 | O | LED driver output |
| 48 | VASS | – | Ground |
| 49 | VAREF | I | Analog reference voltage input |
| 50 | VDD | – | Power supply (+5V) |
| 51 to 56 | GR1 to GR16 | O | FL gride signal output |
| 67 to 100 | SEG1 to SEG34 | O | FL segment signal output |

• Abbreviation
FL : Fluorescent indicator tube

• **IC701 MASTER CONTROL (uPD780018YGF-019-3BA)**

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 1 | TA-MUTE | O | Line mute signal output |
| 2 | DBFB-H/L | O | DBFB H/L select signal output |
| 3 | 427-LT | O | Latch signal output for IC201 (62427) |
| 4 | KCON-LT | O | Not used |
| 5 | KCON-ON | O | |
| 6 | F-RELAY | O | Front speaker relay control output (Not used) |
| 7 | R-RELAY | O | Rear speaker relay control output |
| 8 | PL-RELAY | O | Not used |
| 9 | TEST | I | Connected to ground |
| 10 | X2 | O | X'tal (5MHz) |
| 11 | X1 | I | |
| 12 | VDD | – | Power supply (+5V) |
| 13 | XT2 | O | X'tal (32.768 KHz) |
| 14 | XT1 | I | |
| 15 | RESET | I | Reset signal input |
| 16 | INT/IN | I | Connected to ground |
| 17 | INT/IN/OUT | I | |
| 18 | SCOR | O | Subcode data request signal output |
| 19 | SOFT-TEST | O | Software test port |
| 20 | AC-CUT | I | Back up signal input |
| 21 | RDS-INT | I | RDS data interrupt input |
| 22 | RDS-DATA | I | RDS data interrupt input |
| 23 | VDD | – | Power supply (+5V) |
| 24 | AVDD | I | Analog reference voltage input. |
| 25 | ADJ | I | CD adjust point port Normal "H" |
| 26 | A-SHUT | I | A Deck reel pulse detector |
| 27 | B-SHUT | I | B Deck reel pulse detector |
| 28 | B-HALF | I | Half detector signal input |
| 29 | CLK-CHECK | I | Connected to ground |
| 30 | SPEC-IN | I | Version select signal input |
| 31 | ADJ 2 | I | Connected to ground |
| 32 | DEMO-CHANGE | I | DEMO H/L select signal input (Fixed at fixed at "L") |
| 33 | AVSS | – | Ground |
| 34 | SQ-DATA-IN | I | Subcode Q data clock input |
| 35 | — | I | Not used |
| 36 | SQ-CLK | I | Sub code Q data clock input |
| 37 | SW-ON/OFF | O | Not used |
| 38, 39 | FUNC 1, 2 | I | Connected to ground |
| 40 | VSS | – | Ground |
| 41 | VOL-LAT | O | Latch signal to erectrial volume (IC604) |
| 42 | PL-LAT | O | Latch signal to pro-logic (IC601, 602) |
| 43 | COM-DIN | I | Connected to ground |
| 44 | COM-DOUT | O | Common serial data output |

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 45 | COM-CLK | O | Common serial clock output |
| 46 | CD-POWER | O | CD power on signal output |
| 47 | CD-DATA | O | CD data output |
| 48 | CD-CLK | O | CD clock output |
| 49 | MSM-CMD | O | Not used |
| 50 | MSM-BUSY | I | Connected to ground |
| 51 | MSM-LT | O | Not used |
| 52 | MSM-NAR | I | |
| 53 | MSM-CH | O | |
| 54 | INPUT-CHANGE | O | Input sensitivity switching output |
| 55 | IIC-DATA | O | Data output for IC601 |
| 56 | IIC-CLK | O | Clock output for IC601 |
| 57 | XRST | O | CD reset signal output |
| 58 | XLT | O | CD latch signal output |
| 59 | FOUCUS-SW | O | Not used |
| 60 | TBL-L | O | Table motor control output |
| 61 | TBL-R | O | |
| 62 | TRAY-LED | O | CD tray LED ON/OFF output |
| 63 | LOAD-OUT | O | Not used |
| 64 | LOAD-IN | O | |
| 65 | ST-CLK | O | Tuner clock output |
| 66 | ST-DIN | I | Tuner data input |
| 67 | ST-DOUT | O | Tuner data output |
| 68 | ST-CE | O | Tuner chip enable output |
| 69 | TUNED | I | Tuned detection for tuner |
| 70 | STEREO | I | Stereo detection for tuner |
| 71 | VSS | – | Ground |
| 72 | ST-MUTE | O | Tuner mute signal output |
| 73 | SENS2 | I | BD Condition signal input |
| 74 | SENS | I | |
| 75 | DISC-SENS | I | Not used |
| 76 | T-SENS | I | CD table detection signal input |
| 77 | UP-SW | I | Up SW (S201) signal input |
| 78 | ENC 3 | I | Not used |
| 79 | ENC 2 | I | |
| 80 | ENC 1 | I | |
| 81 | OUT-OPEN | I | Not used |
| 82 | CAP-M-H/N | O | Capstan motor H/N speed select signal output |
| 83 | B-TRG | O | Trigger motor control output |
| 84 | A-TRG | O | Trigger motor control output |
| 85 | TRG-LOW | O | Trigger motor control output |
| 86 | CAP-M-ON/OFF | O | Capstan motor ON/OFF signal output |
| 87 | PB-A/B | O | PB Deck A/Deck B select output |

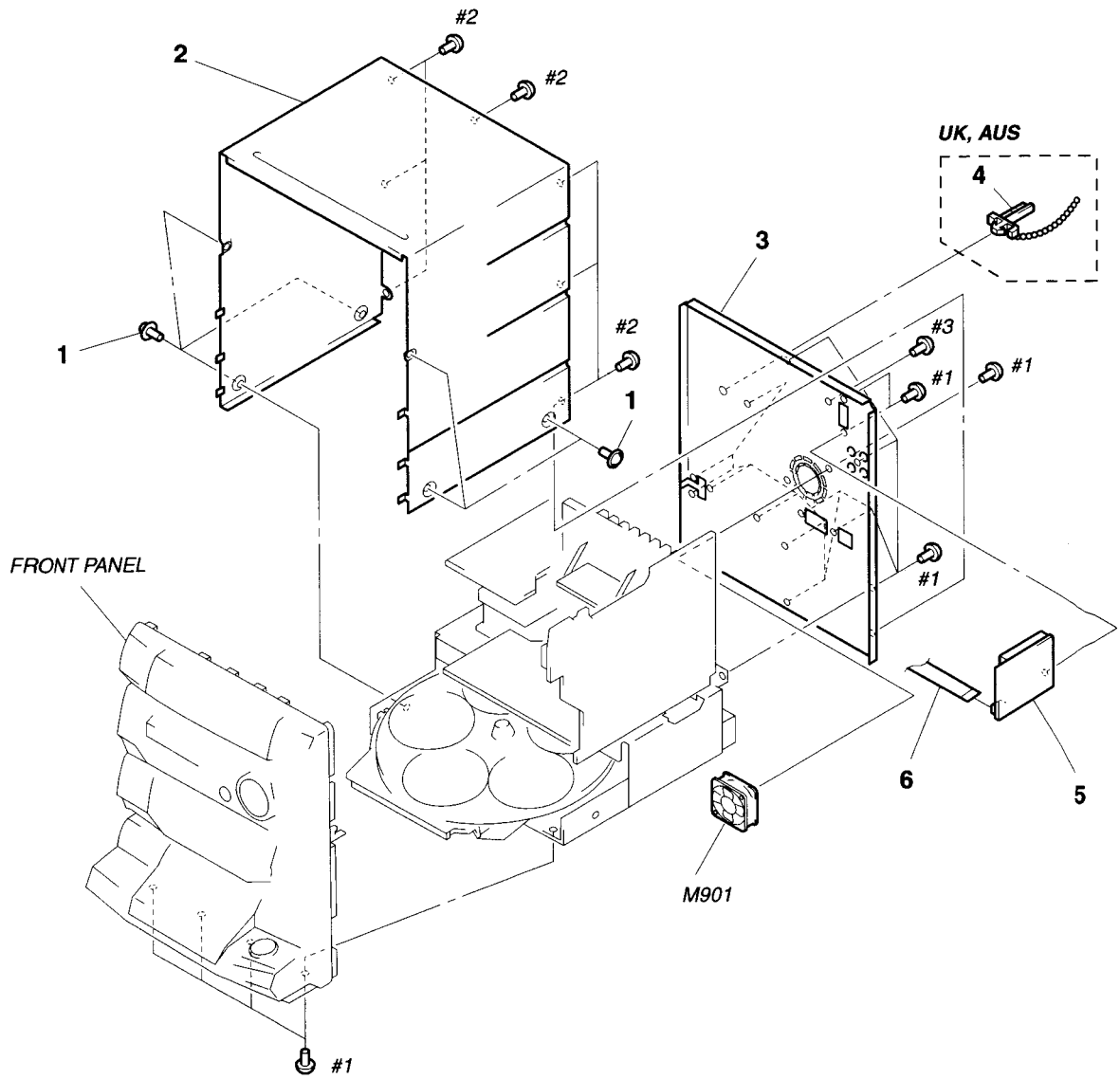
| Pin No. | | I/O | Function |
|---|---|---|---|
| 88 | EQ-H/N | O | Equalizer H/N select output |
| 89 | BIAS | O | Bias ON/OFF signal output |
| 90 | REC-MUTE | O | REC mute ON/OFF selection output |
| 91 | NR-ON/OFF | O | NR ON/OFF signal output |
| 92 | R/P-PASS | I | REC/PB/PASS selection output |
| 93 | TC-MUTE | O | TC mute ON/OFF selection output |
| 94 | A-PLAY-SW | I | Deck A play detect |
| 95 | B-PLAY-SW | I | Deck B play detect |
| 96 | TC-RELAY | O | REC/PB head selection output for IC602 |
| 97 | A-HALF | I | Deck A cassette detect |
| 98 | POWER | O | POWER ON/OFF signal output |
| 99 | SW-F-CHG | O | Super woofer mode signal output |
| 100 | STK-MUTE | O | Power amp ON/OFF signal output |

# SECTION 7
# EXPLODED VIEWS

NOTE:
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
  EE : East European model
  SAF : South African model
  MX : Mexican model
  AUS : Australian model
  AR : Argentine model

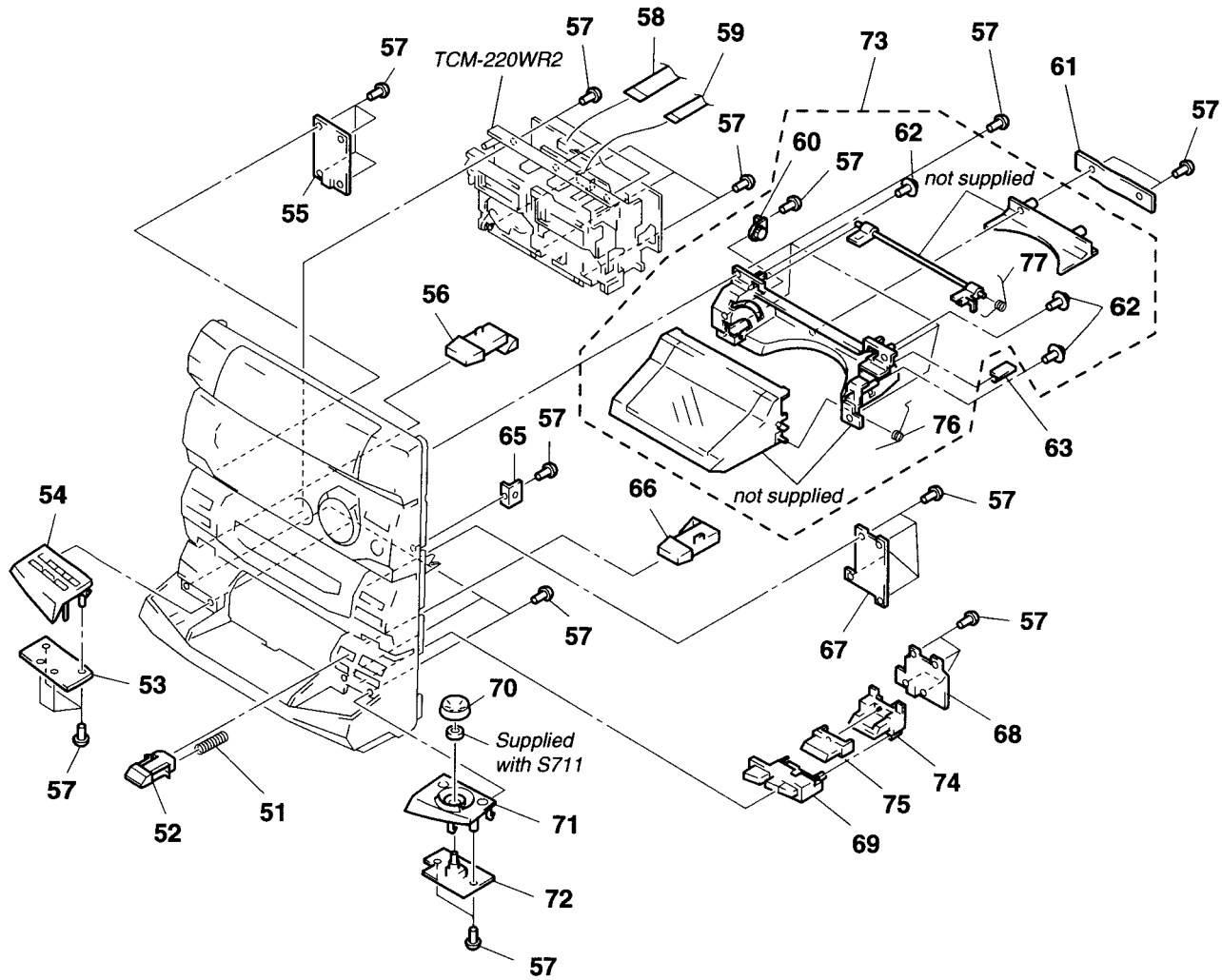
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

## 7-1. CASE AND BACK PANEL SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 1 | 4-929-973-01 | SCREW (CASE, 3 POINT) | |
| * 2 | 4-987-052-31 | CASE | |
| * 3 | 4-987-045-01 | PANEL, BACK (AEP,UK) | |
| * 3 | 4-987-045-21 | PANEL, BACK (EE,CIS) | |
| * 3 | 4-988-222-01 | PANEL, BACK (E,AR,SAF) | |
| * 3 | 4-988-222-11 | PANEL, BACK (AUS) | |
| * 3 | 4-988-222-21 | PANEL, BACK (PX) | |
| * 3 | 4-988-222-31 | PANEL, BACK (MX) | |
| 4 | 4-956-370-12 | BAND, PLUG FIXED (UK,AUS) | |
| 5 | 1-233-545-11 | ENCAPSULATED COMPONENT (E,MX,AR,AUS,PX,SAF) | |
| * 5 | A-4303-571-A | TCB BOARD, COMPLETE (AEP,UK) | |
| * 5 | A-4303-570-A | TCB BOARD, COMPLETE (EE,CIS) | |
| 6 | 1-769-974-11 | WIRE (FLAT TYPE)(13 CORE) (E,MX,AR,AUS,PX,SAF) | |
| 6 | 1-773-006-11 | WIRE (FLAT TYPE)(15 CORE)(AEP,UK,EE,CIS) | |
| M901 | 1-698-792-11 | FAN, DC | |

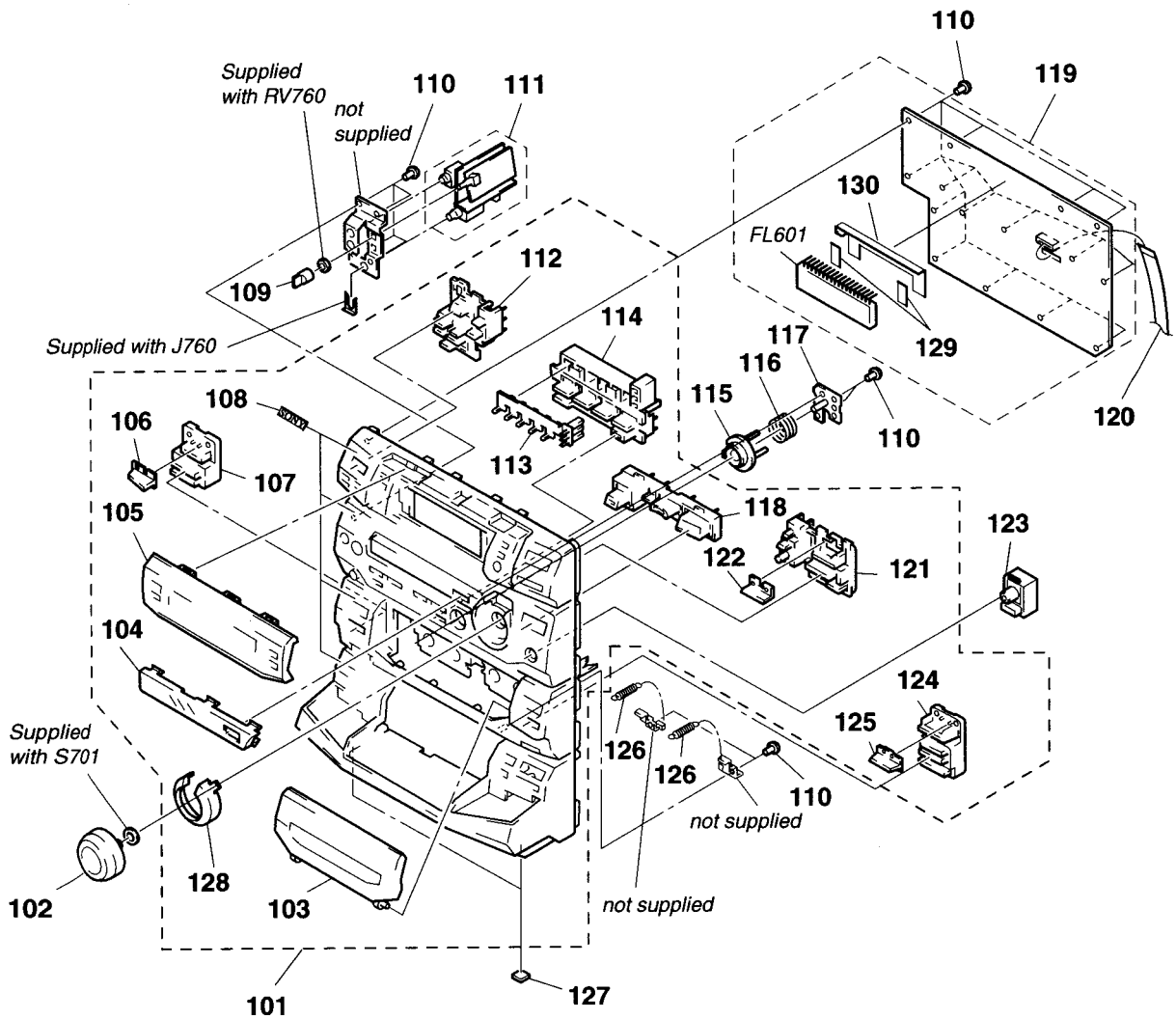
## 7-2. FRONT PANEL SECTION 1




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 51 | 4-987-995-01 | SPRING (CD EJECT), COMPRESSION | |
| 52 | 4-987-001-01 | BUTTON (EJECT CD) | |
| * 53 | 1-664-019-11 | CD-A SW BOARD | |
| 54 | X-4948-348-1 | PANEL (A) SUB ASSY | |
| * 55 | 1-664-012-11 | TC-A SW BOARD | |
| 56 | 4-986-999-01 | BUTTON (EJECT A) | |
| 57 | 4-951-620-01 | SCREW (2.6X8), +BVTP | |
| 58 | 1-773-163-11 | WIRE (FLAT TYPE)(21 CORE) | |
| 59 | 1-769-949-11 | WIRE (FLAT TYPE)(11 CORE) | |
| 60 | 3-354-963-01 | DAMPER | |
| * 61 | 1-664-017-11 | CD-LED BOARD | |
| 62 | 4-957-577-01 | SCREW PTP WH (2.6X8)(DIA. 10) | |
| * 63 | 1-664-016-11 | DOOR SW BOARD | |
| * 65 | 4-987-933-01 | BRACKET (TA) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 66 | 4-987-000-01 | BUTTON (EJECT B) | |
| * 67 | 1-664-013-11 | TC-B SW BOARD | |
| * 68 | 1-664-020-11 | CD-B1 SW BOARD | |
| 69 | X-4947-969-1 | BUTTON (CD STOP) ASSY | |
| 70 | 4-987-037-01 | KNOB (JOG) | |
| 71 | X-4948-296-1 | PANEL (B) SUB ASSY | |
| * 72 | 1-664-021-11 | CD-B2 SW BOARD | |
| 73 | A-4384-396-A | LID ASSY, CD (AEP,UK,EE,CIS,S) | |
| 73 | A-4384-681-A | LID ASSY, CD (E,MX,AR,AUS,P) | |
| 74 | 4-987-002-01 | BUTTON (CD, PLAY) | |
| 75 | 4-987-014-01 | INDICATOR (CD) | |
| 76 | 4-987-997-01 | SPRING (CD, LID), TORTION | |
| 77 | 4-987-998-01 | SPRING (LOCK SHAFT), TORTION | |

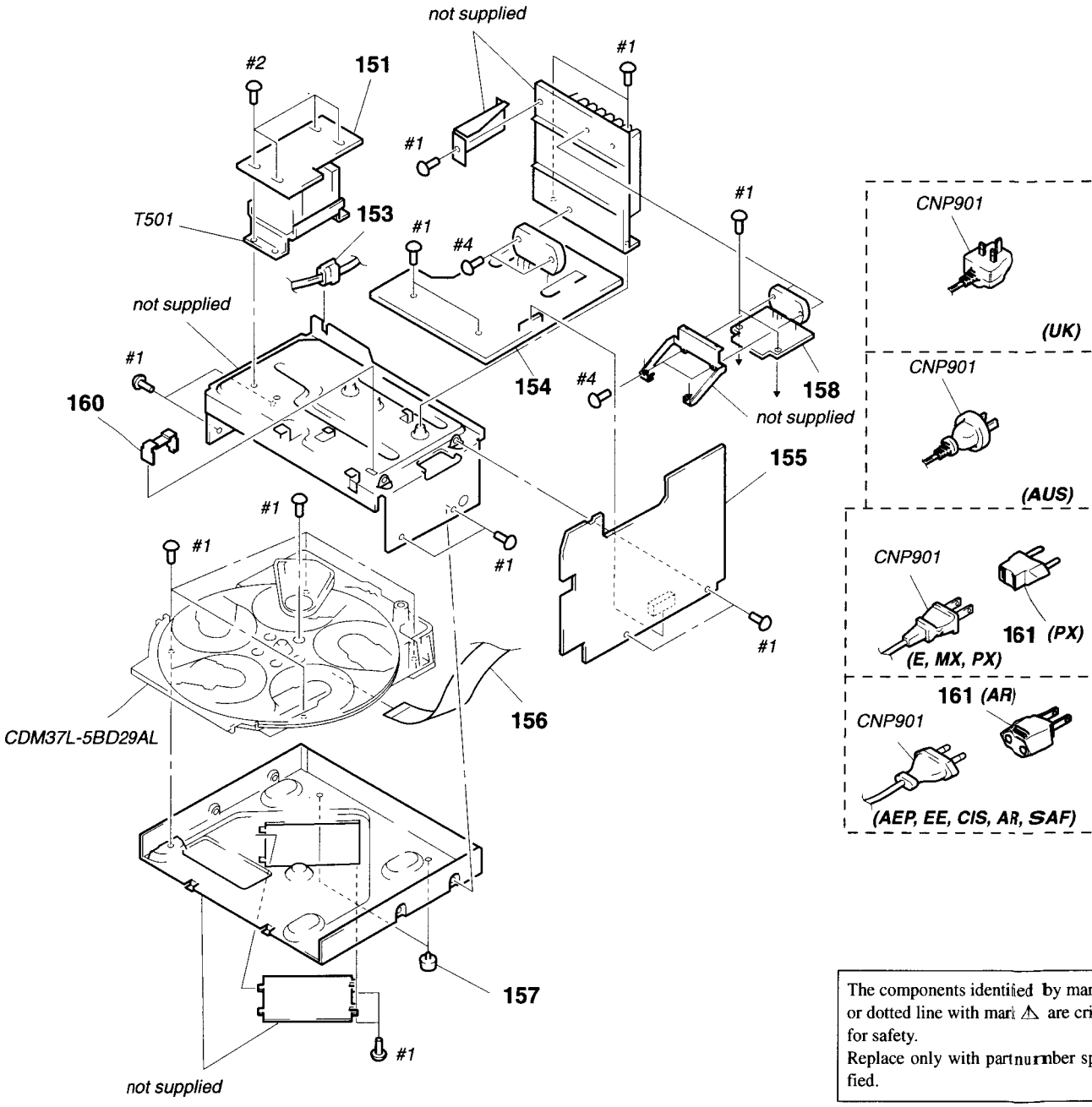
## 7-3. FRONT PANEL SECTION 2




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 101 | X-4948-306-1 | PANEL ASSY (AEP,UK) | |
| 101 | X-4948-307-1 | PANEL ASSY (EE,CIS,E,MX,AR,AUS,PX,SAF) | |
| 102 | 4-987-036-01 | KNOB (VOL) | |
| 103 | X-4947-961-1 | LID ASSY, CASSETTE | |
| 104 | 4-987-032-01 | DISPLAY (TA) | |
| 105 | 4-987-028-01 | DISPLAY (ST) | |
| 106 | 4-987-021-01 | INDICATOR (TC A) | |
| 107 | 4-986-997-01 | BUTTON (DECK.A) | |
| 108 | 4-963-404-21 | EMBLEM (5-A), SONY | |
| 109 | 4-973-644-01 | KNOB (MIC) | |
| 110 | 4-951-620-01 | SCREW (2.6X8), +BVTP | |
| * 111 | A-4392-452-A | HP/MIC BOARD, COMPLETE | |
| 112 | 4-986-986-01 | BUTTON (POWER) | |
| 113 | 4-987-012-01 | INDICATOR (TA) | |
| 114 | X-4947-989-1 | BUTTON (SOUND) ASSY | |
| 115 | 4-986-990-01 | BUTTON (CURSOR) | |
| 116 | 4-978-683-01 | SPRING, COMPRESSION | |
| * 117 | 4-987-041-01 | COVER, CURSOR | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 118 | X-4947-963-1 | BUTTON (FUNCTION) ASSY | |
| * 119 | A-4392-684-A | PANEL BOARD, COMPLETE (AEP,UK,EE,CIS) | |
| * 119 | A-4392-685-A | PANEL BOARD, COMPLETE (E,MX,AR,AUS,PX,SAF) | |
| 120 | 1-773-051-11 | WIRE (FLAT TYPE)(17 CORE) | |
| 121 | X-4947-962-1 | BUTTON (TUNER) ASSY (EE,CIS,E,MX,AR,AUS,PX,SAF) | |
| 121 | X-4948-165-1 | BUTTON (TUNER) ASSY (AEP,UK) | |
| 122 | 4-987-013-01 | INDICATOR (TUNER) | |
| 123 | X-4947-968-1 | BUTTON (WOOFER) ASSY | |
| 124 | X-4947-967-1 | BUTTON (DECK B) ASSY | |
| 125 | 4-987-022-01 | INDICATOR (TC B) | |
| 126 | 4-987-996-01 | SPRING (TC LID), TENSION | |
| 127 | 4-948-236-01 | CUSHION (107) | |
| 128 | 4-987-930-01 | PLATE (VOL), ORNAMENTAL | |
| 129 | 4-949-935-41 | CUSHION (FL) | |
| * 130 | 4-986-870-11 | HOLDER, FL TUBE | |
| FL601 | 1-517-617-11 | INDICATOR TUBE, FLUORESCENT | |

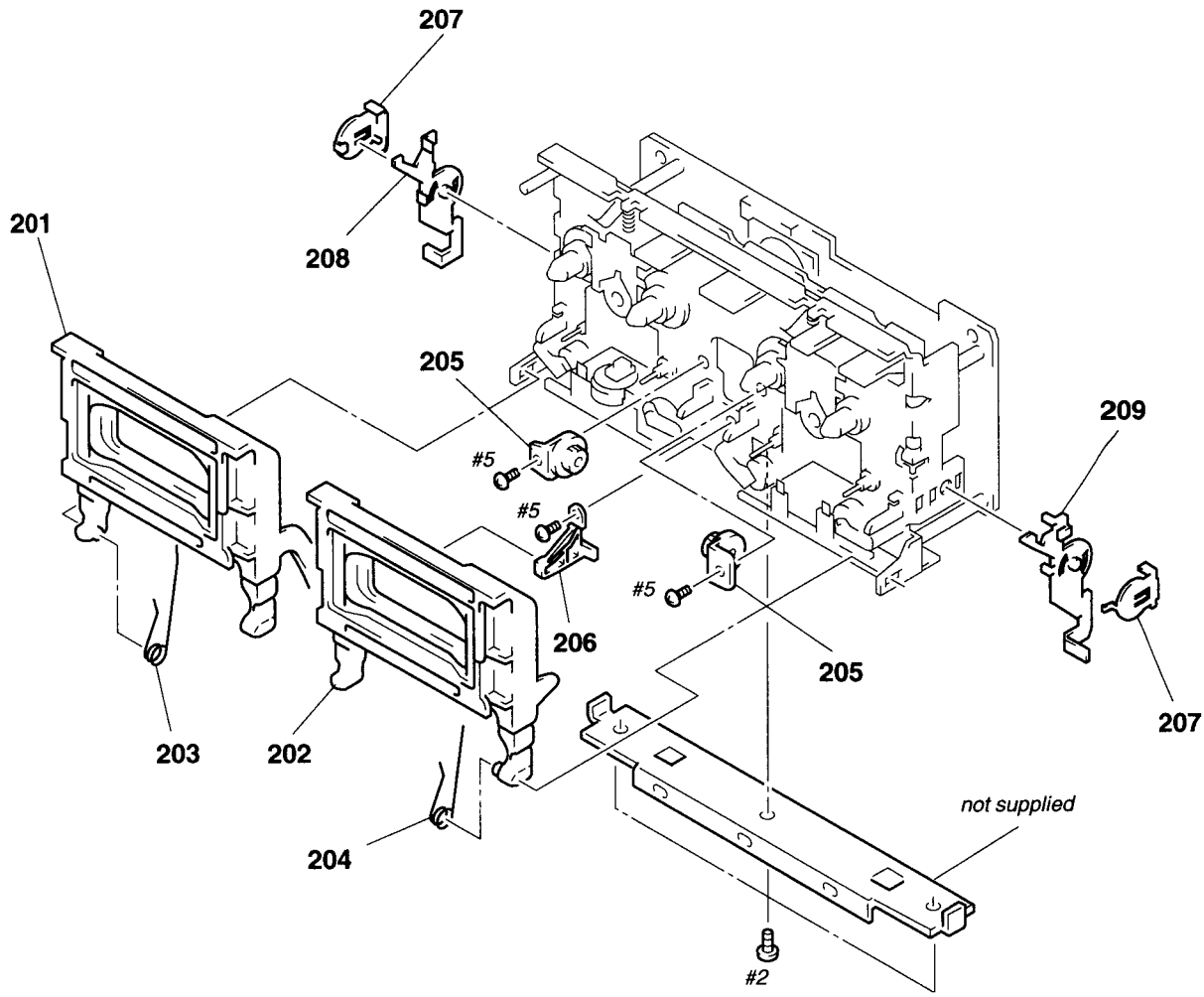
## 7-4. CHASSIS SECTION




The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

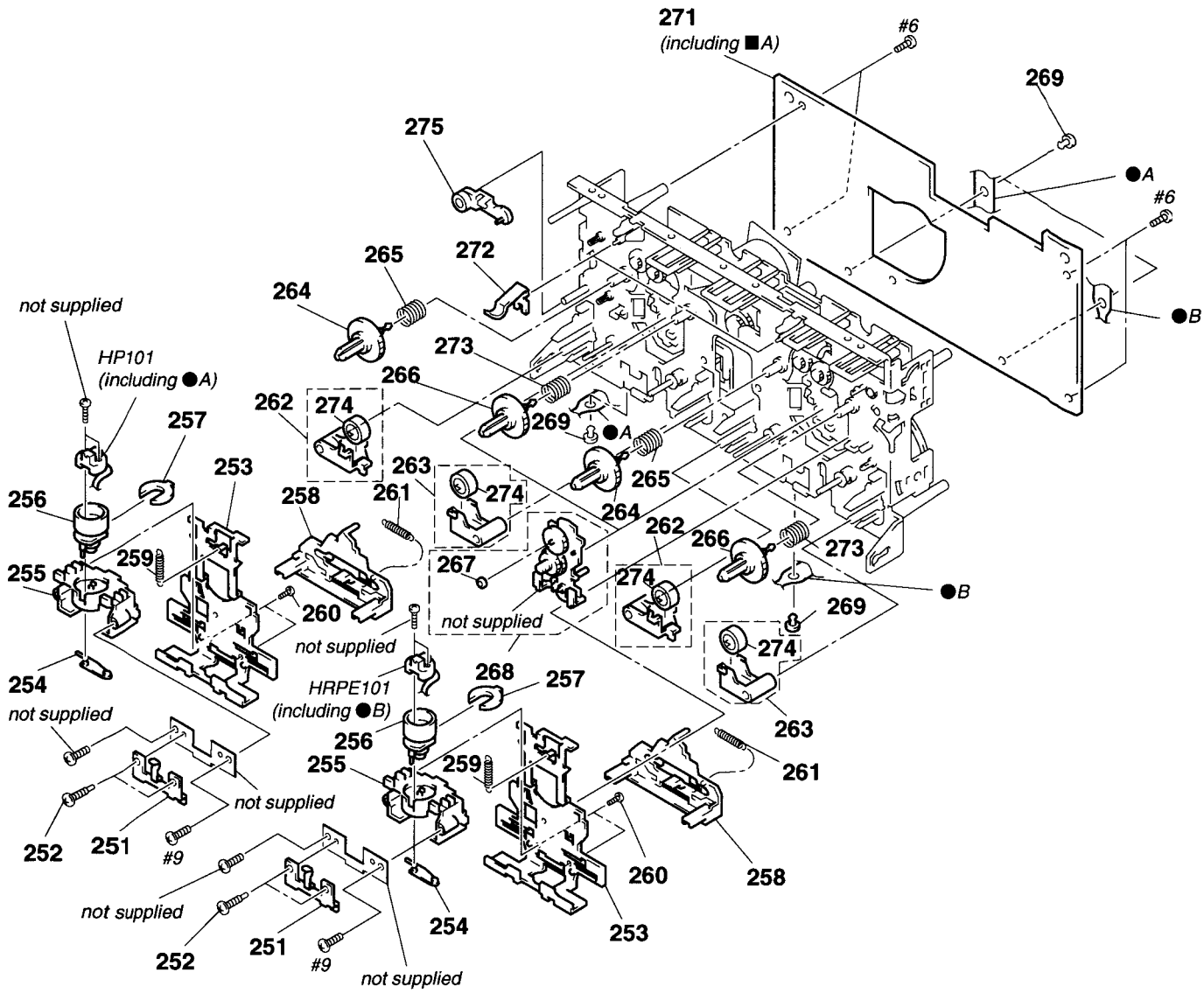
| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * 151 | 1-663-994-11 | TRANS BOARD | |
| 153 | 3-703-244-00 | BUSHING (FBS001), CORD (AEP,UK,EE,CIS,AUS,AR,SAF) | |
| 153 | 4-966-266-01 | BUSHING (S)(FBS002), CORD (E,MX,PX) | |
| * 154 | A-4392-678-A | POWER BOARD, COMPLETE (AEP,UK,EE,CIS) | |
| * 154 | A-4392-679-A | POWER BOARD, COMPLETE (E,MX,AR,AUS,PX,SAF) | |
| * 155 | A-4392-669-A | MAIN BOARD, COMPLETE (AEP,UK) | |
| * 155 | A-4392-670-A | MAIN BOARD, COMPLETE (E,MX,AR) | |
| * 155 | A-4398-907-A | MAIN BOARD, COMPLETE (SAF) | |
| * 155 | A-4398-046-A | MAIN BOARD, COMPLETE (EE,CIS) | |
| * 155 | A-4398-051-A | MAIN BOARD, COMPLETE (AUS,PX) | |
| 156 | 1-777-868-11 | WIRE (FLAT TYPE)(19 CORE) | |
| 157 | X-4941-228-1 | FOOT (F22125H-M) | |
| * 158 | A-4392-662-A | SURROUND BOARD, COMPLETE (E,MX,AR,AUS,PX,SAF) | |
| * 158 | A-4392-663-A | SURROUND BOARD, COMPLETE (AEP,UK,EE,CIS) | |
| * 160 | 4-988-533-11 | HOLDER, PCB | |
| ⚠161 | 1-569-007-11 | ADAPTOR, CONVERSION 2P (PX) | |
| ⚠161 | 1-569-008-11 | ADAPTOR, CONVERSION 2P (AR) | |
| ⚠CNP901 | 1-558-943-41 | CORD, POWER (E,MX,PX) | |
| ⚠CNP901 | 1-575-651-21 | CORD, POWER (AEP,EE,CIS,AR,SAF) | |
| ⚠CNP901 | 1-696-845-21 | CORD, POWER (AUS) | |
| ⚠CNP901 | 1-751-522-11 | CORD, POWER (UK) | |
| ⚠T501 | 1-431-139-11 | TRANSFORMER, POWER (AEP,UK,EE,CIS) | |
| ⚠T501 | 1-431-140-11 | TRANSFORMER, POWER (E,MX,AR,AUS,PX,SAF) | |

## 7-5. TC MECHANISM SECTION-1 (TCM-220WR2)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 201 | X-4947-943-1 | HOLDER (L) ASSY, CASSETTE | |
| 202 | X-4947-944-1 | HOLDER (R) ASSY, CASSETTE | |
| 203 | 4-959-231-11 | SPRING (L), TORSION | |
| 204 | 4-959-232-11 | SPRING (R), TORSION | |
| 205 | 3-354-963-01 | DAMPER | |
| * 206 | 4-980-439-01 | FULCLUM, HOLDER | |
| 207 | 3-354-957-01 | JOINT (LOCK LEVER) | |
| 208 | 3-354-953-01 | LEVER (LOCK LEVER L) | |
| 209 | 3-354-954-01 | LEVER (LOCK LEVER R) | |

## 7-6. TC MECHANISM SECTION-2 (TCM-220WR2)

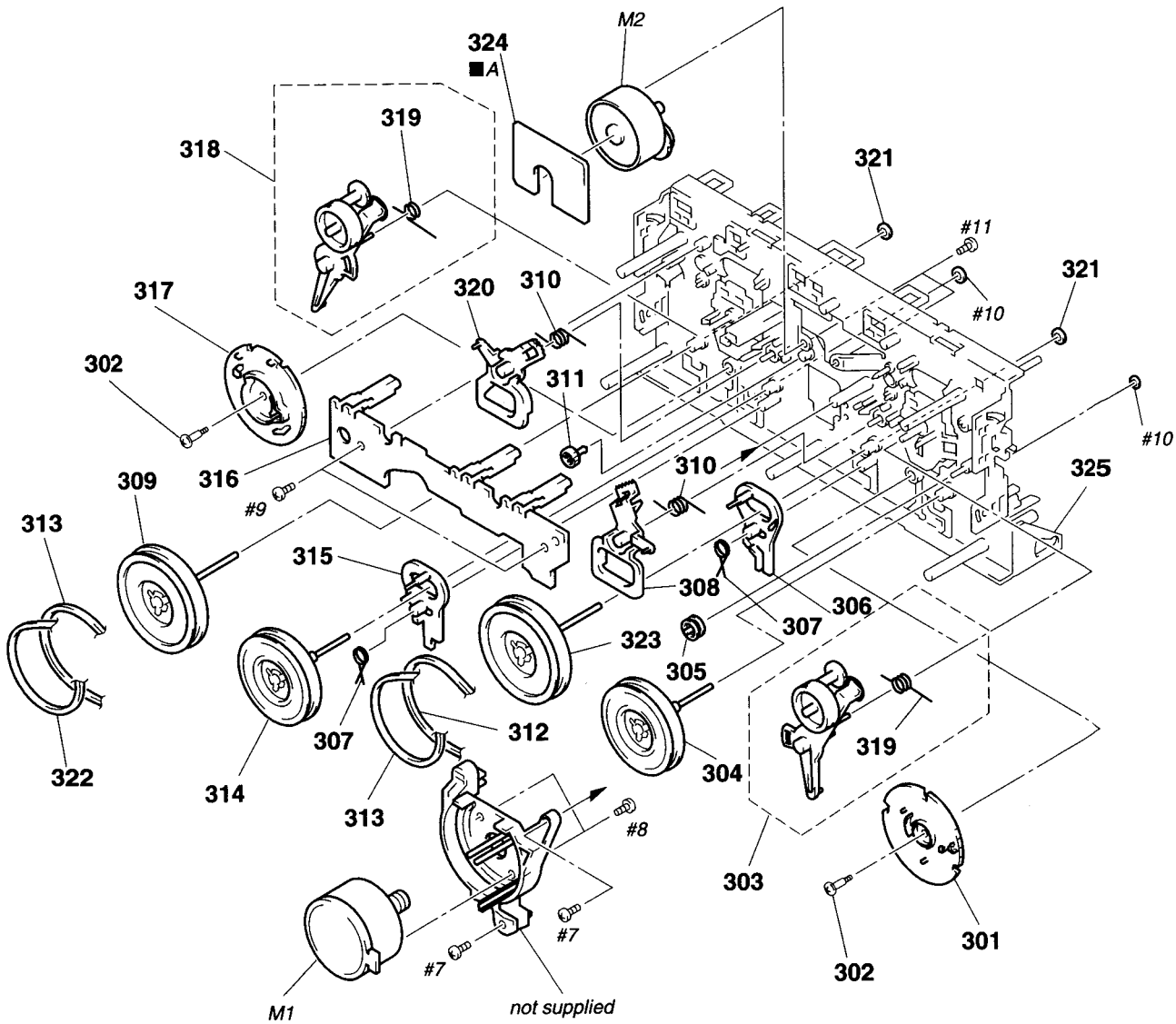



| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 251 | 3-908-560-01 | SPRING, AZIMUTH ADJUSTMENT | |
| 252 | 3-919-684-01 | SCREW, AZIMUTH ADJUSTMENT | |
| * 253 | X-3373-113-1 | SLIDER (HEAD) ASSY | |
| 254 | 3-009-956-01 | SPRING, HEAD TOGGLE | |
| 255 | 3-908-558-02 | FITTING BLOCK, HEAD | |
| 256 | 3-908-557-02 | ROTARY BLOCK, HEAD | |
| * 257 | 3-908-559-01 | STOPPER, AZIMUTH | |
| 258 | 3-908-555-01 | SLIDER (REV SLIDER) | |
| 259 | 3-917-143-11 | SPRING, TENSION | |
| 260 | 3-388-848-01 | SCREW (P2X6)(B TIGHT) | |
| 261 | 3-939-371-01 | SPRING (1), TENSION | |
| 262 | X-3369-909-1 | PINCH LEVER (REV) ASSY | |
| 263 | X-3369-908-1 | PINCH LEVER (FWD) ASSY | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 264 | 3-908-613-01 | GEAR (S), REEL | |
| 265 | 3-917-141-01 | SPRING, COMPRESSION | |
| 266 | X-3371-305-1 | REEL (T) ASSY | |
| 267 | 3-669-465-01 | WASHER (1.5), STOPPER | |
| 268 | X-3370-173-1 | TU ASSY | |
| 269 | 3-939-862-01 | CLIP | |
| * 271 | A-2007-131-A | AUDIO BOARD, COMPLETE | |
| 272 | 3-930-972-01 | DETENT, HALF | |
| 273 | 3-917-142-01 | SPRING, COMPRESSION | |
| 274 | 3-355-808-02 | PINCH ROLLER | |
| 275 | 3-938-863-01 | STOPPER | |
| HP101 | 1-500-093-11 | HEAD, MAGNETIC (PLAYBACK) | |
| HRPE101 | 1-500-094-11 | HEAD, MAGNETIC (REC/PB/ERASE) | |

## 7-7. TC MECHANISM SECTION-3 (TCM-220WR2)

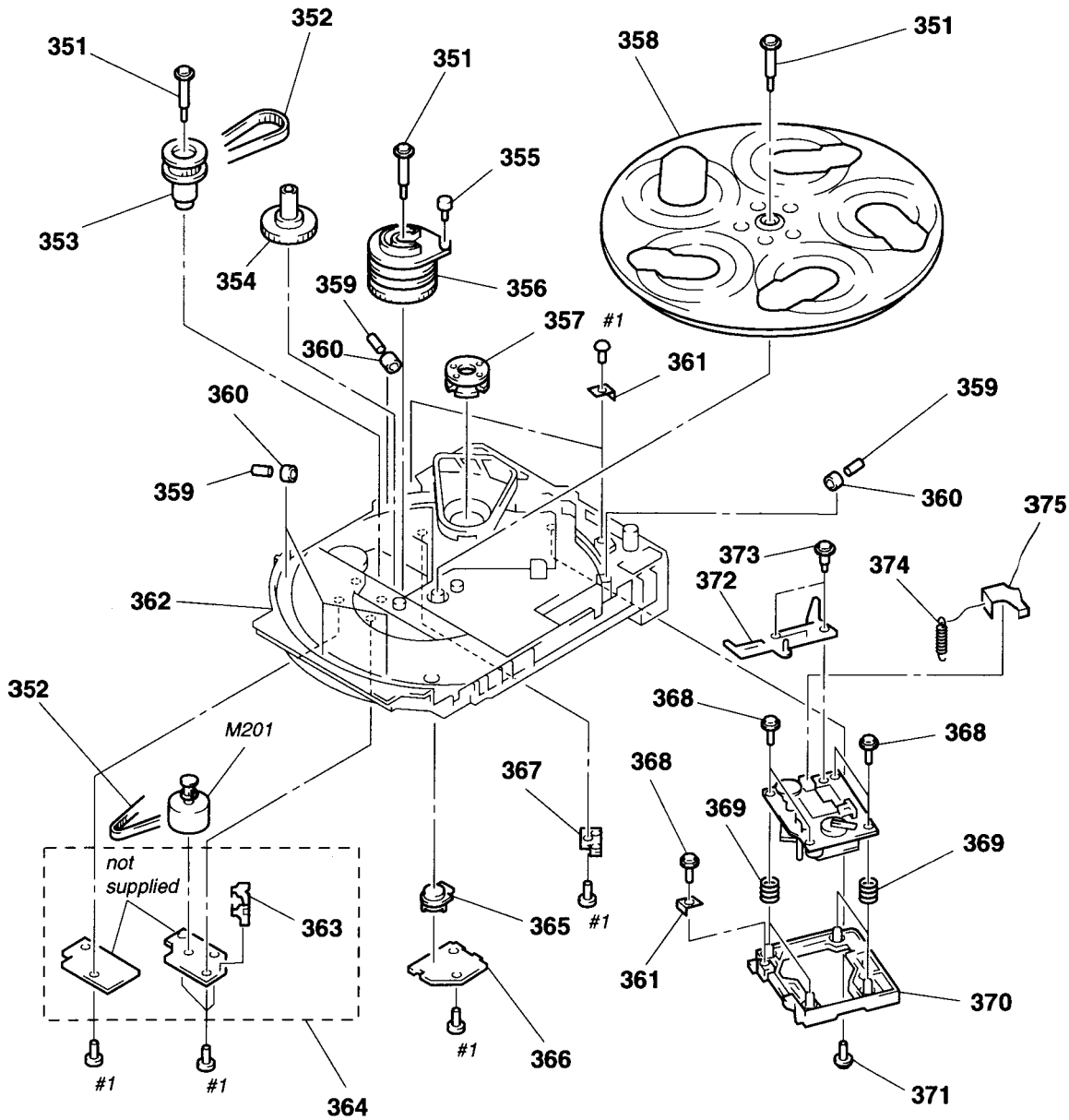
■A: MOTOR board (Suppplied with AUDIO board)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 301 | 3-908-597-01 | CAM (A) | |
| 302 | 3-908-608-11 | SCREW, STEP | |
| 303 | X-3372-930-1 | ARM (A) ASSY, FR | |
| 304 | X-3370-169-1 | FLYWHEEL (AR) ASSY | |
| 305 | 3-928-047-01 | PULLEY, TENSION | |
| 306 | 3-908-599-01 | LEVER (REV-A) | |
| 307 | 3-908-601-01 | SPRING (REV LEVER), TORSION | |
| 308 | 3-908-603-01 | LEVER (TRIGGER A) | |
| 309 | X-3367-593-1 | FLYWHEEL (BF) ASSY | |
| 310 | 3-908-605-01 | SPRING (TRIGGER), TORSION | |
| 311 | 3-908-609-01 | GEAR, TRIGGER | |
| 312 | 3-913-845-11 | BELT (A) | |
| 313 | 3-913-846-11 | BELT (FR) | |
| 314 | X-3370-171-1 | FLYWHEEL (BR) ASSY | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 315 | 3-908-600-01 | LEVER (REV-B) | |
| * 316 | 1-650-669-11 | LEAF SWITCH BOARD | |
| 317 | 3-908-598-01 | CAM (B) | |
| 318 | X-3372-931-1 | ARM (B) ASSY, FR | |
| 319 | 3-911-114-01 | SPRING (FR), TORSION | |
| 320 | 3-908-604-01 | LEVER (TRIGGER B) | |
| 321 | 3-911-115-01 | WASHER, STOPPER | |
| 322 | 3-917-176-11 | BELT (B) | |
| 323 | X-3370-172-1 | FLYWHEEL (AF) ASSY | |
| * 324 | A-2007-131-A | AUDIO BOARD, COMPLETE | |
| 325 | X-3371-441-1 | CHASSIS ASSY, MECHANICAL | |
| M1 | X-3371-223-1 | MOTOR ASSY (CAPSTAN) | |
| M2 | A-2004-410-A | MOTOR ASSY (TRIGGER) | |

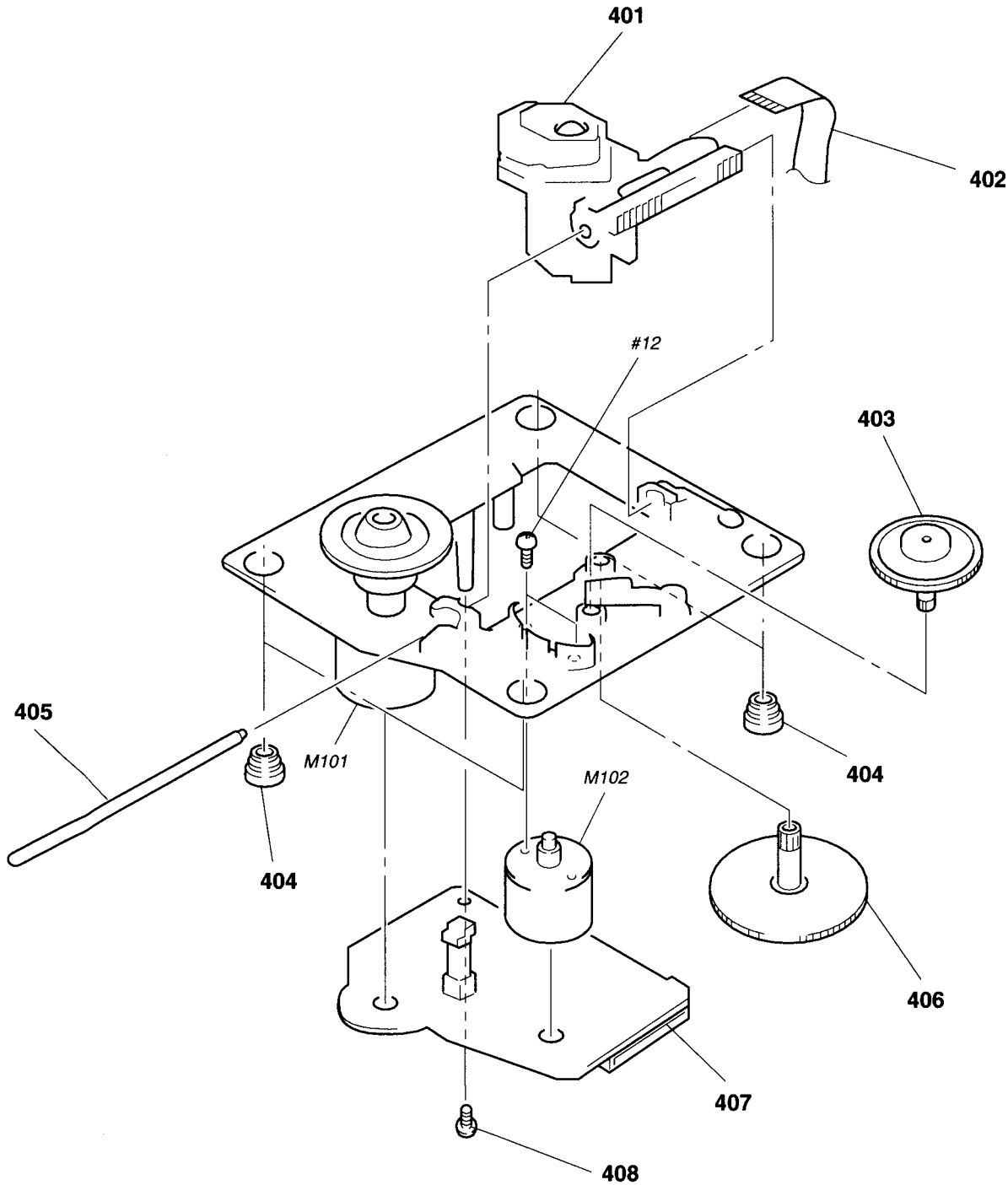
## 7-8. CD MECHANISM SECTION (CDM37L-5BD29AL)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 351 | 4-987-976-01 | SCREW, STEP | |
| 352 | 4-944-490-01 | BELT (TIMING) | |
| 353 | A-4660-978-A | GEAR (PULLEY) ASSY | |
| 354 | 4-978-421-01 | GEAR (MID) | |
| 355 | 4-978-425-01 | ROLLER (CAM) | |
| 356 | 4-978-420-01 | CAM (HOLDER) | |
| * 357 | 1-452-879-11 | MAGNET | |
| 358 | 4-978-417-01 | TABLE, DISC | |
| 359 | 4-934-376-01 | SHAFT (ROLLER) | |
| 360 | X-4924-457-1 | ROLLER ASSY | |
| * 361 | 4-978-583-01 | BRACKET (BU) | |
| * 362 | 4-978-418-01 | CHASSIS | |
| * 363 | 4-980-385-01 | HOLDER (SW) | |
| * 364 | A-4673-765-A | CD MOTOR BOARD, COMPLETE | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 365 | 4-978-426-01 | INDICATOR (NO.) | |
| * 366 | 1-659-059-13 | LED BOARD | |
| * 367 | 1-659-058-13 | TABLE SENSOR BOARD | |
| 368 | 4-933-134-01 | SCREW (+PTPWH M2.6X6) | |
| 369 | 4-958-593-01 | SPRING (BU), COMPRESSION | |
| * 370 | 4-978-419-01 | HOLDER (BU-5) | |
| 371 | 4-917-583-71 | BRACKET, YOKE | |
| 372 | 4-989-493-01 | SLIDER (37) | |
| 373 | 4-989-494-01 | SCREW (SLIDER), STEP | |
| 374 | 4-989-819-01 | SPRING, TENSION | |
| 375 | 4-989-491-21 | COVER, LENS | |
| M201 | A-4660-977-A | MOTOR ASSY (TABLE) | |

## 7-9. BASE UNIT SECTION (BU-5BD29AL)




The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| ⚠401 | 8-820-020-01 | OPTICAL PICK-UP KSS-213D/Q-NP | |
| 402 | 1-769-069-11 | WIRE (FLAT TYPE)(16 CORE) | |
| 403 | 4-917-567-21 | GEAR (M) | |
| 404 | 4-951-940-01 | INSULATOR (BU) | |
| 405 | 4-917-565-01 | SHAFT, SLED | |
| 406 | 4-917-564-01 | GEAR (P), FLATNESS | |
| * 407 | A-4699-522-A | BD BOARD, COMPLETE | |
| 408 | 4-951-620-01 | SCREW (2.6X8), +BVTP | |
| M101 | X-4917-523-4 | MOTOR ASSY (SPINDLE) | |
| M102 | X-4917-504-1 | MOTOR ASSY (SLED) | |

**AUDIO**

# SECTION 8
# ELECTRICAL PARTS LIST

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μ A..., uPA...: μ PA..., uPB...: μ PB..., uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
  uF : μ F
- COILS
  uH : μ H
- Abbreviation
  EE : East European model
  SAF : South African model
  MX : Mexican model
  AUS : Australian model
  AR : Argentine model

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | A-2007-131-A | AUDIO BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | (including MOTOR board) | | | |
| | | < CAPACITOR > | | | |
| C301 | 1-162-289-31 | CERAMIC | 390PF | 10% | 50V |
| C302 | 1-126-968-11 | ELECT | 100uF | 20% | 6.3V |
| C303 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C304 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V |
| C305 | 1-107-715-11 | ELECT | 22uF | 20% | 16V |
| C311 | 1-162-289-31 | CERAMIC | 390PF | 10% | 50V |
| C313 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C314 | 1-130-487-00 | MYLAR | 0.022uF | 5% | 50V |
| C315 | 1-126-233-11 | ELECT | 22uF | 20% | 50V |
| C331 | 1-137-427-11 | FILM | 120PF | 5% | 50V |
| C332 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C333 | 1-162-209-31 | CERAMIC | 27PF | 5% | 50V |
| C401 | 1-162-289-31 | CERAMIC | 390PF | 10% | 50V |
| C402 | 1-126-968-11 | ELECT | 100uF | 20% | 6.3V |
| C403 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C404 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V |
| C405 | 1-107-715-11 | ELECT | 22uF | 20% | 16V |
| C411 | 1-162-289-31 | CERAMIC | 390PF | 10% | 50V |
| C413 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C414 | 1-130-487-00 | MYLAR | 0.022uF | 5% | 50V |
| C415 | 1-126-233-11 | ELECT | 22uF | 20% | 50V |
| C431 | 1-137-427-11 | FILM | 120PF | 5% | 50V |
| C432 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C433 | 1-162-209-31 | CERAMIC | 27PF | 5% | 50V |
| C601 | 1-104-396-11 | ELECT | 10uF | 20% | 16V |
| C602 | 1-104-396-11 | ELECT | 10uF | 20% | 16V |
| C611 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C612 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C621 | 1-137-150-11 | FILM | 0.01uF | 5% | 100V |
| C622 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C623 | 1-136-155-00 | FILM | 0.015uF | 5% | 50V |
| C624 | 1-130-481-00 | MYLAR | 0.0068uF | 5% | 50V |
| C625 | 1-130-481-00 | MYLAR | 0.0068uF | 5% | 50V |
| C627 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C628 | 1-136-153-00 | FILM | 0.01uF | 5% | 50V |
| C642 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| C651 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V |
| | | < CONNECTOR > | | | |
| CN601 | 1-695-382-31 | PIN, CONNECTOR (PC BOARD) 21P | | | |
| CN602 | 1-564-718-11 | PIN, CONNECTOR (SMALL TYPE) 2P | | | |
| * CN651 | 1-564-521-11 | PLUG, CONNECTOR 6P | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < IC > | | | |
| IC601 | 8-759-111-44 | IC uPC4570C-1 | | | |
| IC602 | 8-759-143-54 | IC uPC1330HA | | | |
| IC611 | 8-759-111-44 | IC uPC4570C-1 | | | |
| | | < COIL > | | | |
| L331 | 1-410-780-11 | INDUCTOR 27mH | | | |
| L431 | 1-410-780-11 | INDUCTOR 27mH | | | |
| | | < MOTOR > | | | |
| M2 | A-2004-410-A | MOTOR ASSY (TRIGGER) | | | |
| | | < TRANSISTOR > | | | |
| Q621 | 8-729-142-46 | TRANSISTOR 2SC2001-LK | | | |
| Q622 | 8-729-142-46 | TRANSISTOR 2SC2001-LK | | | |
| Q623 | 8-729-801-93 | TRANSISTOR 2SD1387 | | | |
| Q651 | 8-729-900-65 | TRANSISTOR DTA144ES | | | |
| | | < RESISTOR > | | | |
| R301 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R302 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R303 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R304 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W |
| R305 | 1-247-858-11 | CARBON | 13K | 5% | 1/4W |
| R311 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R312 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R314 | 1-247-882-11 | CARBON | 130K | 5% | 1/4W |
| R315 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W |
| R331 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R401 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R402 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R403 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R404 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W |
| R405 | 1-247-858-11 | CARBON | 13K | 5% | 1/4W |
| R411 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R412 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R414 | 1-247-882-11 | CARBON | 130K | 5% | 1/4W |
| R415 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W |
| R431 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R601 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R602 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R608 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R609 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R611 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| R612 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| ⚠R621 | 1-212-851-00 | FUSIBLE | 5.6 | 5% | 1/4W F |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| ⚠R622 | 1-212-851-00 | FUSIBLE | 5.6 | 5% | 1/4W F |
| R623 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R624 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R625 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R651 | 1-247-856-00 | CARBON | 11K | 5% | 1/4W |
| R652 | 1-247-856-00 | CARBON | 11K | 5% | 1/4W |
| R653 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| | | < VARIABLE RESISTOR > | | | |
| RV301 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | |
| RV311 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | |
| RV341 | 1-238-551-11 | RES, ADJ, CARBON 220K | | | |
| RV401 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | |
| RV411 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | |
| RV441 | 1-238-551-11 | RES, ADJ, CARBON 220K | | | |
| RV651 | 1-238-599-11 | RES, ADJ, CARBON 4.7K | | | |
| RV652 | 1-238-599-11 | RES, ADJ, CARBON 4.7K | | | |
| | | < TRANSFORMER > | | | |
| T621 | 1-423-980-11 | TRANSFORMER, BIAS OSCILLATION | | | |
| ********** | | | | | |
| * | A-4699-522-A | BD BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C101 | 1-126-607-11 | ELECT CHIP | 47uF | 20% | 4V |
| C102 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C103 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V |
| C105 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C106 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C107 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C108 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C109 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C110 | 1-163-989-11 | CERAMIC CHIP | 0.033uF | 10% | 25V |
| C111 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V |
| C112 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V |
| C113 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C114 | 1-164-005-11 | CERAMIC CHIP | 0.47uF | | 25V |
| C115 | 1-126-607-11 | ELECT CHIP | 47uF | 20% | 4V |
| C116 | 1-163-016-00 | CERAMIC CHIP | 0.0039uF | 10% | 50V |
| C117 | 1-164-005-11 | CERAMIC CHIP | 0.47uF | | 25V |
| C118 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C119 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C120 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C121 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C122 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C123 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C124 | 1-126-607-11 | ELECT CHIP | 47uF | 20% | 4V |
| C125 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C126 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C127 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C128 | 1-163-135-00 | CERAMIC CHIP | 560PF | 5% | 50V |
| C129 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C130 | 1-164-336-11 | CERAMIC CHIP | 0.33uF | | 25V |
| C131 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V |
| C140 | 1-110-501-11 | CERAMIC CHIP | 0.33uF | 10% | 16V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C154 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C161 | 1-164-005-11 | CERAMIC CHIP | 0.47uF | | 25V |
| C162 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C163 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C164 | 1-163-145-00 | CERAMIC CHIP | 0.0015uF | 5% | 50V |
| C165 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C166 | 1-163-137-00 | CERAMIC CHIP | 680PF | 5% | 50V |
| C167 | 1-163-121-00 | CERAMIC CHIP | 150PF | 5% | 50V |
| C168 | 1-163-137-00 | CERAMIC CHIP | 680PF | 5% | 50V |
| C169 | 1-163-121-00 | CERAMIC CHIP | 150PF | 5% | 50V |
| C170 | 1-163-099-00 | CERAMIC CHIP | 18PF | 5% | 50V |
| C171 | 1-163-237-11 | CERAMIC CHIP | 27PF | 5% | 50V |
| C173 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C174 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C175 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C176 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C177 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C178 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C179 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C181 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C182 | 1-126-393-11 | ELECT | 33uF | 20% | 10V |
| C183 | 1-124-778-00 | ELECT CHIP | 22uF | 20% | 6.3V |
| C185 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C188 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C189 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| | | < CONNECTOR > | | | |
| CNU101 | 1-770-014-11 | CONNECTOR, FFC/FPC 16P | | | |
| CNU102 | 1-778-874-11 | CONNECTOR,FFC(LIF(NON-ZIF))19P | | | |
| | | < FERRITE BEAD > | | | |
| FB101 | 1-414-234-11 | INDUCTOR, FERRITE BEAD | | | |
| FB103 | 1-414-234-11 | INDUCTOR, FERRITE BEAD | | | |
| | | < IC > | | | |
| IC101 | 8-752-080-62 | IC CXA1992AR | | | |
| IC102 | 8-759-429-32 | IC BA5941FP-E2 | | | |
| IC103 | 8-752-378-66 | IC CXD2519Q | | | |
| | | < JUMPER RESISTOR > | | | |
| JW101 | 1-216-295-91 | CONDUCTOR, CHIP (2012) | | | |
| JW104 | 1-216-295-91 | CONDUCTOR, CHIP (2012) | | | |
| | | < MOTOR > | | | |
| M101 | X-4917-523-4 | MOTOR ASSY (SPINDLE) | | | |
| M102 | X-4917-504-1 | MOTOR ASSY (SLED) | | | |
| | | < TRANSISTOR > | | | |
| Q101 | 8-729-010-08 | TRANSISTOR MSB710-R | | | |
| | | < RESISTOR > | | | |
| R102 | 1-216-001-00 | METAL CHIP | 10 | 5% | 1/10W |
| R104 | 1-216-093-00 | METAL CHIP | 68K | 5% | 1/10W |
| R105 | 1-216-088-00 | METAL CHIP | 43K | 5% | 1/10W |
| R106 | 1-216-088-00 | METAL CHIP | 43K | 5% | 1/10W |
| R107 | 1-216-088-00 | METAL CHIP | 43K | 5% | 1/10W |

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

**BD** **CD-A SW** **CD-B1 SW**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R108 | 1-216-088-00 | METAL CHIP | 43K | 5% | 1/10W |
| R109 | 1-216-093-00 | METAL CHIP | 68K | 5% | 1/10W |
| R114 | 1-216-101-00 | METAL CHIP | 150K | 5% | 1/10W |
| R115 | 1-216-101-00 | METAL CHIP | 150K | 5% | 1/10W |
| R116 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R117 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W |
| R118 | 1-216-063-91 | METAL GLAZE | 3.9K | 5% | 1/10W |
| R119 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R120 | 1-216-089-91 | METAL GLAZE | 47K | 5% | 1/10W |
| R121 | 1-216-114-00 | METAL GLAZE | 510K | 5% | 1/10W |
| R122 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R123 | 1-216-099-00 | METAL CHIP | 120K | 5% | 1/10W |
| R124 | 1-216-091-00 | METAL CHIP | 56K | 5% | 1/10W |
| R125 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W |
| R126 | 1-216-063-91 | METAL GLAZE | 3.9K | 5% | 1/10W |
| R127 | 1-216-089-91 | METAL GLAZE | 47K | 5% | 1/10W |
| R128 | 1-216-098-00 | METAL CHIP | 110K | 5% | 1/10W |
| R129 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R130 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R131 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R132 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R133 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R134 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R135 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R136 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R137 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R138 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R156 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R157 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W |
| R158 | 1-216-001-00 | METAL CHIP | 10 | 5% | 1/10W |
| R159 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R161 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R162 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R163 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R164 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R165 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R166 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R167 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R168 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R169 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R170 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R171 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R172 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R173 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R174 | 1-216-033-00 | METAL CHIP | 220 | 5% | 1/10W |
| R175 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R176 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R177 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R178 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R179 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R180 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R181 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R188 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R190 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R191 | 1-216-105-91 | METAL GLAZE | 220K | 5% | 1/10W |

< SWITCH >

| | | |
|---|---|---|
| S101 | 1-572-085-11 | SWITCH, LEAF (LIMIT) |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < VIBRATOR > | | | |
| X101 | 1-767-408-21 | VIBRATOR, CRYSTAL (16.9344MHz) | | | |

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|---|---|---|---|---|---|---|
| * | 1-664-019-11 | CD-A SW BOARD | | | | |
| | | ********** | | | | |
| | | < DIODE > | | | | |
| D641 | 8-719-058-04 | DIODE SEL5223S-TP15 (NON-STOP) | | | | |
| | | < RESISTOR > | | | | |
| R731 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R732 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R733 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | F |
| R734 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R735 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | F |
| R736 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | F |
| R737 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R741 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| | | < SWITCH > | | | | |
| S661 | 1-554-303-21 | SWITCH, TACTILE (DISC 1) | | | | |
| S662 | 1-554-303-21 | SWITCH, TACTILE (DISC 2) | | | | |
| S663 | 1-554-303-21 | SWITCH, TACTILE (DISC 3) | | | | |
| S664 | 1-554-303-21 | SWITCH, TACTILE (DISC 4) | | | | |
| S665 | 1-554-303-21 | SWITCH, TACTILE (DISC 5) | | | | |
| S666 | 1-554-303-21 | SWITCH, TACTILE (FLASH) | | | | |
| S667 | 1-554-303-21 | SWITCH, TACTILE (NON-STOP) | | | | |
| S668 | 1-554-303-21 | SWITCH, TACTILE (LOOP) | | | | |

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| | | | | | | |
|---|---|---|---|---|---|---|
| * | 1-664-020-11 | CD-B1 SW BOARD | | | | |
| | | ********** | | | | |
| | | < CONNECTOR > | | | | |
| * CN642 | 1-568-943-11 | PIN, CONNECTOR 5P | | | | |
| | | < DIODE > | | | | |
| D645 | 8-719-057-29 | DIODE SML78423C-TP15 (▷) | | | | |
| D646 | 8-719-057-97 | DIODE SEL5923A-TP15 (▮▮) | | | | |
| D647 | 8-719-057-29 | DIODE SML78423C-TP15 (▷) | | | | |
| | | < RESISTOR > | | | | |
| R745 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R746 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R747 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R748 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | F |
| R749 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R750 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R751 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| | | < SWITCH > | | | | |
| S676 | 1-554-303-21 | SWITCH, TACTILE (▷) | | | | |
| S677 | 1-554-303-21 | SWITCH, TACTILE (■) | | | | |
| S678 | 1-554-303-21 | SWITCH, TACTILE (▮▮) | | | | |
| S679 | 1-554-303-21 | SWITCH, TACTILE (DISC SKIP) | | | | |

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# CD-B2 SW | CD-LED | CD MOTOR | DOOR SW | HP/MIC

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | 1-664-021-11 | CD-B2 SW BOARD | | | |
| | | ********** | | | |
| | | < RESISTOR > | | | |
| R752 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R753 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R754 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R755 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R756 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F |
| | | < SWITCH > | | | |
| S681 | 1-554-303-21 | SWITCH, TACTILE (▶▶) | | | |
| S682 | 1-554-303-21 | SWITCH, TACTILE (REPEAT) | | | |
| S683 | 1-554-303-21 | SWITCH, TACTILE (PLAY MODE) | | | |
| S684 | 1-554-303-21 | SWITCH, TACTILE (1/ALL DISCS) | | | |
| S685 | 1-554-303-21 | SWITCH, TACTILE (EDIT) | | | |
| S686 | 1-554-303-21 | SWITCH, TACTILE (◀◀) | | | |
| S711 | 1-467-968-11 | ENCODER, ROTARY (I◁◁ AMS ▷▷I) | | | |
| ********** | | | | | |
| * | 1-664-017-11 | CD-LED BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| CN671 | 1-506-481-11 | PIN, CONNECTOR 2P | | | |
| | | < DIODE > | | | |
| D671 | 8-719-058-03 | DIODE SEL5423E-TP15 (DISC TABLE) | | | |
| D672 | 8-719-058-03 | DIODE SEL5423E-TP15 (DISC TABLE) | | | |
| D673 | 8-719-058-03 | DIODE SEL5423E-TP15 (DISC TABLE) | | | |
| D674 | 8-719-058-03 | DIODE SEL5423E-TP15 (DISC TABLE) | | | |
| | | < RESISTOR > | | | |
| R791 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W F |
| ********** | | | | | |
| * | A-4673-765-A | CD MOTOR BOARD, COMPLETE | | | |
| | | ********** | | | |
| * | 4-980-385-01 | HOLDER (SW) | | | |
| | | < CAPACITOR > | | | |
| C201 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C202 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C203 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| | | < CONNECTOR > | | | |
| * CN201 | 1-568-947-11 | PIN, CONNECTOR 9P | | | |
| | | < IC > | | | |
| IC201 | 8-759-365-94 | IC TA8409S | | | |
| | | < COIL > | | | |
| L201 | 1-408-117-00 | INDUCTOR 10uH | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < MOTOR > | | | |
| M201 | A-4660-977-A | MOTOR ASSY (TABLE) | | | |
| | | < RESISTOR > | | | |
| R205 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F |
| R206 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| | | < SWITCH > | | | |
| S201 | 1-762-587-11 | SWITCH, PUSH (1 KEY)(UP) | | | |
| ********** | | | | | |
| * | 1-664-016-11 | DOOR SW BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C691 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| | | < CONNECTOR > | | | |
| CN661 | 1-506-481-11 | PIN, CONNECTOR 2P | | | |
| | | < SWITCH > | | | |
| S691 | 1-570-953-11 | SWITCH, PUSH (1 KEY)(⏏ OPEN) | | | |
| ********** | | | | | |
| * | A-4392-452-A | HP/MIC BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C760 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C761 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C764 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C765 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V |
| C766 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C767 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V |
| C769 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C770 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C771 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C773 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C774 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C775 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C776 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C795 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C796 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C797 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C798 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C799 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| | | < CONNECTOR > | | | |
| * CN701 | 1-568-935-11 | PIN, CONNECTOR 8P | | | |
| | | < DIODE > | | | |
| D764 | 8-719-815-85 | DIODE 1S585 | | | |

**HP/MIC** **LEAF SWITCH** **LED** **MAIN**

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| | | < IC > | | | | |
| IC760 | 8-759-634-51 | IC M5218AP | | | | |
| | | < JACK > | | | | |
| J760 | 1-770-226-11 | JACK (LARGE TYPE)(PHONES) | | | | |
| J761 | 1-770-226-11 | JACK (LARGE TYPE)(MIC) | | | | |
| | | < BASE POST > | | | | |
| * LP2 | 1-690-880-21 | LEAD (WITH CONNECTOR) | | | | |
| | | < RESISTOR > | | | | |
| R760 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R761 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R764 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R765 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R766 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R767 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R769 | 1-247-885-00 | CARBON | 180K | 5% | 1/4W | |
| R770 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R780 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| | | < VARIABLE RESISTOR > | | | | |
| RV760 | 1-225-366-11 | RES, VAR, CARBON 50K (MIC LEVEL) | | | | |
| ********** | | | | | | |
| * | 1-650-669-11 | LEAF SWITCH BOARD<br>********** | | | | |
| | | < CONNECTOR > | | | | |
| * CN1001 | 1-568-854-11 | SOCKET, CONNECTOR 11P | | | | |
| | | < TRANSISTOR > | | | | |
| Q1001 | 8-749-010-90 | TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2 | | | | |
| Q1002 | 8-749-010-90 | TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2 | | | | |
| | | < RESISTOR > | | | | |
| R1001 | 1-247-818-11 | CARBON | 300 | 5% | 1/4W | |
| R1002 | 1-247-820-11 | CARBON | 360 | 5% | 1/4W | |
| R1003 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | F |
| R1004 | 1-247-834-11 | CARBON | 1.3K | 5% | 1/4W | |
| R1005 | 1-247-818-11 | CARBON | 300 | 5% | 1/4W | |
| | | < SWITCH > | | | | |
| S1001 | 1-692-832-11 | SWITCH, PUSH (1 KEY)(A PLAY) | | | | |
| S1002 | 1-692-832-11 | SWITCH, PUSH (1 KEY)(B PLAY) | | | | |
| S1003 | 1-572-248-11 | SWITCH, LEAF (A HALF) | | | | |
| S1004 | 1-571-281-21 | SWITCH, LEAF (A CrO2) | | | | |
| S1005 | 1-571-281-21 | SWITCH, LEAF (REC A) | | | | |
| S1006 | 1-572-248-11 | SWITCH, LEAF (B HALF) | | | | |
| S1008 | 1-571-281-21 | SWITCH, LEAF (B CrO2) | | | | |
| S1009 | 1-571-281-21 | SWITCH, LEAF (REC B) | | | | |
| ********** | | | | | | |

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| * | 1-659-059-13 | LED BOARD<br>********* | | | | |
| | | < DIODE > | | | | |
| D201 | 8-719-032-98 | DIODE SEL5820A (DISC No.) | | | | |
| | | < TRANSISTOR > | | | | |
| Q201 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| | | < RESISTOR > | | | | |
| R201 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R202 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R203 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| ********** | | | | | | |
| * | A-4392-669-A | MAIN BOARD, COMPLETE (AEP,UK)<br>********** | | | | |
| * | A-4392-670-A | MAIN BOARD, COMPLETE (E,MX,AR)<br>********** | | | | |
| * | A-4398-046-A | MAIN BOARD, COMPLETE (EE,CIS)<br>********** | | | | |
| * | A-4398-051-A | MAIN BOARD, COMPLETE (AUS,PX)<br>********** | | | | |
| * | A-4398-907-A | MAIN BOARD, COMPLETE (SAF)<br>********** | | | | |
| | | < CAPACITOR > | | | | |
| C101 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V | |
| C103 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C104 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C105 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V | (E,MX,AR,AUS,PX,SAF) |
| C105 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | (AEP,UK,EE,CIS) |
| C106 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V | |
| C107 | 1-130-473-00 | MYLAR | 0.0015uF | 5% | 50V | |
| C108 | 1-126-956-91 | ELECT | 0.1uF | 20% | 50V | |
| C109 | 1-126-933-11 | ELECT | 100uF | 20% | 10V | |
| C110 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C111 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C114 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C121 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V | |
| C125 | 1-124-499-11 | ELECT | 1uF | 20% | 50V | |
| C150 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |
| C151 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V | |
| C153 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C154 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | |
| C155 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V | (E,MX,AR,AUS,PX,SAF) |
| C155 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | (AEP,UK,EE,CIS) |
| C156 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V | |
| C157 | 1-130-473-00 | MYLAR | 0.0015uF | 5% | 50V | |
| C158 | 1-126-956-91 | ELECT | 0.1uF | 20% | 50V | |
| C159 | 1-126-933-11 | ELECT | 100uF | 20% | 10V | |
| C164 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C171 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C201 | 1-124-250-11 | ELECT | 0.15uF | 20% | 50V |
| C202 | 1-124-250-11 | ELECT | 0.15uF | 20% | 50V |
| C203 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C204 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C205 | 1-136-156-00 | FILM | 0.018uF | 5% | 50V |
| C206 | 1-136-156-00 | FILM | 0.018uF | 5% | 50V |
| C207 | 1-130-480-00 | MYLAR | 0.0056uF | 5% | 50V |
| C208 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V |
| C209 | 1-130-474-00 | MYLAR | 0.0018uF | 5% | 50V |
| C210 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C211 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C212 | 1-136-171-00 | FILM | 0.33uF | 5% | 50V |
| C213 | 1-136-171-00 | FILM | 0.33uF | 5% | 50V |
| C214 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C215 | 1-136-153-00 | FILM | 0.01uF | 5% | 50V |
| C230 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V |
| C231 | 1-130-471-00 | MYLAR | 0.001uF | 5% | 50V |
| C234 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C235 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C237 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C238 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C239 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C241 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C242 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C247 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C248 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C251 | 1-124-250-11 | ELECT | 0.15uF | 20% | 50V |
| C252 | 1-124-250-11 | ELECT | 0.15uF | 20% | 50V |
| C253 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C254 | 1-136-495-11 | FILM | 0.068uF | 5% | 50V |
| C255 | 1-136-156-00 | FILM | 0.018uF | 5% | 50V |
| C256 | 1-136-156-00 | FILM | 0.018uF | 5% | 50V |
| C257 | 1-130-480-00 | MYLAR | 0.0056uF | 5% | 50V |
| C258 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V |
| C259 | 1-130-474-00 | MYLAR | 0.0018uF | 5% | 50V |
| C260 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C261 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C262 | 1-136-171-00 | FILM | 0.33uF | 5% | 50V |
| C263 | 1-136-171-00 | FILM | 0.33uF | 5% | 50V |
| C264 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C265 | 1-136-153-00 | FILM | 0.01uF | 5% | 50V |
| C275 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C301 | 1-137-368-11 | FILM | 0.0047uF | 5% | 50V |
| C302 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C303 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C304 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C305 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C306 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C307 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C308 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C309 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C310 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C351 | 1-137-368-11 | FILM | 0.0047uF | 5% | 50V |
| C352 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C353 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C355 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C357 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C358 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C359 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C360 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C401 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C402 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C403 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C404 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C405 | 1-126-767-11 | ELECT | 1000uF | 20% | 16V |
| C601 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V |
| C602 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V |
| C603 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V |
| C604 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V |
| C605 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V |
| C606 | 1-136-167-00 | FILM | 0.15uF | 5% | 50V |
| C607 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C608 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C609 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C610 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C611 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C612 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C613 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C614 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C615 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C616 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C617 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C618 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C619 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C620 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C621 | 1-126-923-11 | ELECT | 220uF | 20% | 10V |
| C622 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C623 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C624 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C625 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C626 | 1-126-923-11 | ELECT | 220uF | 20% | 10V |
| C627 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V |
| C628 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V |
| C629 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C630 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C631 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C632 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C633 | 1-136-173-00 | FILM | 0.47uF | 5% | 50V |
| C634 | 1-104-664-11 | ELECT | 47uF | 20% | 25V |
| C635 | 1-130-467-00 | MYLAR | 470PF | 5% | 50V |
| C636 | 1-130-467-00 | MYLAR | 470PF | 5% | 50V |
| C637 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C638 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C641 | 1-124-252-00 | ELECT | 0.33uF | 20% | 50V |
| C642 | 1-136-159-00 | FILM | 0.033uF | 5% | 50V |
| C643 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C644 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C645 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C646 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C647 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C648 | 1-126-923-11 | ELECT | 220uF | 20% | 10V |
| C649 | 1-136-164-00 | FILM | 0.082uF | 5% | 50V |
| C650 | 1-130-477-00 | MYLAR | 0.0033uF | 5% | 50V |
| C651 | 1-136-164-00 | FILM | 0.082uF | 5% | 50V |

# MAIN

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C652 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C653 | 1-126-923-11 | ELECT | 220uF | 20% | 10V |
| C654 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C655 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C656 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C657 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C658 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C660 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C661 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C662 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C663 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C664 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C665 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C666 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C667 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C668 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C669 | 1-124-499-11 | ELECT | 1uF | 20% | 50V |
| C678 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C711 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C712 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C713 | 1-164-027-11 | CERAMIC | 22PF | 5% | 50V |
| C714 | 1-164-027-11 | CERAMIC | 22PF | 5% | 50V |
| C723 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C724 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C766 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C801 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C803 | 1-126-925-11 | ELECT | 470uF | 20% | 10V |
| C804 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C805 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C811 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C851 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (EE,CIS) |
| C852 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (EE,CIS) |
| C853 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C854 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C855 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C856 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C861 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C862 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C863 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C901 | 1-126-937-11 | ELECT | 4700uF | 20% | 16V |
| C902 | 1-126-768-11 | ELECT | 2200uF | 20% | 16V |
| C903 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C904 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C908 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C909 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C910 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C911 | 1-126-768-11 | ELECT | 2200uF | 20% | 16V |
| C913 | 1-126-968-11 | ELECT | 10uF | 20% | 50V |
| C914 | 1-126-767-11 | ELECT | 1000uF | 20% | 16V |
| C915 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C916 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C917 | 1-126-925-11 | ELECT | 470uF | 20% | 10V |
| C918 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C919 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C920 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C943 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C944 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C951 | 1-126-967-11 | ELECT | 47uF | 20% | 10V |
| C952 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C953 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C961 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C991 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| | | < CONNECTOR > | | | |
| CN401 | 1-568-838-11 | SOCKET, CONNECTOR 21P | | | |
| * CN402 | 1-568-830-11 | SOCKET, CONNECTOR 11P | | | |
| * CN403 | 1-568-449-11 | HOUSING, CONNECTOR (PC BOARD) 3P | | | |
| * CN701 | 1-568-836-11 | SOCKET, CONNECTOR 17P | | | |
| CN801 | 1-568-802-11 | SOCKET, CONNECTOR 19P | | | |
| * CN830 | 1-568-936-11 | PIN, CONNECTOR 9P | | | |
| * CN851 | 1-568-832-11 | SOCKET, CONNECTOR 13P (E,MX,AR,AUS,PX,SAF) | | | |
| * CN851 | 1-568-834-11 | SOCKET, CONNECTOR 15P (AEP,UK,EE,CIS) | | | |
| * CN901 | 1-770-734-11 | CONNECTOR, BOARD TO BOARD 20P | | | |
| * CN961 | 1-564-518-11 | PLUG, CONNECTOR 3P | | | |
| | | < DIODE > | | | |
| D702 | 8-719-987-63 | DIODE 1N4148M | | | |
| D772 | 8-719-987-63 | DIODE 1N4148M | | | |
| D799 | 8-719-987-63 | DIODE 1N4148M | | | |
| D801 | 8-719-987-63 | DIODE 1N4148M | | | |
| D802 | 8-719-987-63 | DIODE 1N4148M | | | |
| D901 | 8-719-025-23 | DIODE RBA-402-SL | | | |
| D902 | 8-719-200-82 | DIODE 11ES2 | | | |
| D904 | 8-719-987-63 | DIODE 1N4148M | | | |
| D905 | 8-719-200-82 | DIODE 11ES2 | | | |
| D906 | 8-719-200-82 | DIODE 11ES2 | | | |
| D907 | 8-719-987-63 | DIODE 1N4148M | | | |
| D908 | 8-719-200-82 | DIODE 11ES2 | | | |
| D941 | 8-719-002-60 | DIODE UZL-33L | | | |
| D942 | 8-719-010-43 | DIODE UZ-5.6BSC | | | |
| D951 | 8-719-987-63 | DIODE 1N4148M | | | |
| D952 | 8-719-987-63 | DIODE 1N4148M | | | |
| D953 | 8-719-987-63 | DIODE 1N4148M | | | |
| D954 | 8-719-987-63 | DIODE 1N4148M | | | |
| | | < GROUND TERMINAL > | | | |
| * EPT901 | 1-537-738-21 | TERMINAL, EARTH | | | |
| | | < FERRITE BEAD > | | | |
| FB801 | 1-412-473-21 | INDUCTOR 0UH | | | |
| | | < IC > | | | |
| IC101 | 8-759-634-51 | IC M5218AP | | | |
| IC102 | 8-759-000-48 | IC MC14052BCP | | | |
| IC103 | 8-759-140-53 | IC uPD4053BC | | | |
| IC201 | 8-759-331-39 | IC M62427FP | | | |
| IC401 | 8-759-363-21 | IC HA12203NT | | | |
| IC402 | 8-759-822-09 | IC LB1641 | | | |
| IC601 | 8-759-442-96 | IC LA2786 | | | |
| IC602 | 8-759-442-97 | IC LV1016 | | | |
| IC603 | 8-759-634-51 | IC M5218AP | | | |
| IC604 | 8-759-281-42 | IC TC9210P | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| IC701 | 8-759-468-71 | IC uPD780018YGF-019-3BA | |
| IC861 | 8-759-634-51 | IC M5218AP | |
| IC901 | 8-759-288-53 | IC LA5617 | |
| IC902 | 8-759-231-53 | IC TA7805S | |
| IC903 | 8-759-604-86 | IC M5F7807L | |
| IC904 | 8-759-231-58 | IC TA7812S | |
| IC905 | 8-759-604-38 | IC M5F78M10L | |
| IC951 | 8-759-635-63 | IC M51943BSL | |
| | | < JACK > | |
| J101 | 1-695-188-31 | JACK, PIN 4P (VIDEO(AUDIO) IN, PHONO IN) | |
| | | < COIL > | |
| L601 | 1-410-509-11 | INDUCTOR 10uH | |
| L602 | 1-410-509-11 | INDUCTOR 10uH | |
| L604 | 1-410-509-11 | INDUCTOR 10uH | |
| L769 | 1-410-521-11 | INDUCTOR 100uH | |
| L770 | 1-410-521-11 | INDUCTOR 100uH | |
| L772 | 1-410-521-11 | INDUCTOR 100uH | |
| L851 | 1-410-521-11 | INDUCTOR 100uH (AEP,UK) | |
| L861 | 1-410-521-11 | INDUCTOR 100uH | |
| | | < TRANSISTOR > | |
| Q120 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q121 | 8-729-141-26 | TRANSISTOR 2SC3622A-LK | |
| Q122 | 8-729-141-26 | TRANSISTOR 2SC3622A-LK | |
| Q123 | 8-729-422-57 | TRANSISTOR UN4111 | |
| Q124 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q201 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q202 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q206 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q251 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q252 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q253 | 8-729-141-26 | TRANSISTOR 2SC3622A-LK | |
| Q254 | 8-729-141-26 | TRANSISTOR 2SC3622A-LK | |
| Q256 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q403 | 8-729-801-93 | TRANSISTOR 2SD1387 | |
| Q406 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q407 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q408 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q409 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q601 | 8-729-141-26 | TRANSISTOR 2SC3622A-LK | |
| Q602 | 8-729-141-26 | TRANSISTOR 2SC3622A-LK | |
| Q901 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q904 | 8-729-040-20 | TRANSISTOR RT1P137L-TP | |
| Q905 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q906 | 8-729-040-20 | TRANSISTOR RT1P137L-TP | |
| Q907 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| Q912 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q941 | 8-729-118-01 | TRANSISTOR 2SB1116-K | |
| Q951 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q961 | 8-729-111-29 | TRANSISTOR 2SD1616A-K | |
| Q962 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| | | < RESISTOR > | |
| R101 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R102 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R103 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R104 | 1-249-416-11 | CARBON 820 5% 1/4W | F (AEP,UK,EE,CIS) |
| R104 | 1-249-417-11 | CARBON 1K 5% 1/4W | F (E,MX,AR,AUS,PX,SAF) |
| R105 | 1-247-897-11 | CARBON 560K 5% 1/4W | |
| R106 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R107 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R108 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R109 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| R121 | 1-249-424-11 | CARBON 3.9K 5% 1/4W | F |
| R122 | 1-247-887-00 | CARBON 220K 5% 1/4W | |
| R125 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | F |
| R126 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R127 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | F |
| R128 | 1-249-426-11 | CARBON 5.6K 5% 1/4W | |
| R129 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R130 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R151 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R152 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R153 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R154 | 1-249-416-11 | CARBON 820 5% 1/4W | F (AEP,UK,EE,CIS) |
| R154 | 1-249-417-11 | CARBON 1K 5% 1/4W | F (E,MX,AR,AUS,PX,SAF) |
| R155 | 1-247-897-11 | CARBON 560K 5% 1/4W | |
| R156 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R157 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R158 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R159 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| R171 | 1-249-424-11 | CARBON 3.9K 5% 1/4W | F |
| R172 | 1-247-887-00 | CARBON 220K 5% 1/4W | |
| R178 | 1-249-426-11 | CARBON 5.6K 5% 1/4W | |
| R179 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R201 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | F |
| R202 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | F |
| R203 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R204 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R205 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R206 | 1-247-887-00 | CARBON 220K 5% 1/4W | |
| R207 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R208 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R209 | 1-249-411-11 | CARBON 330 5% 1/4W | |
| R210 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R211 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | F |
| R212 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R213 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R214 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R215 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R216 | 1-247-891-00 | CARBON 330K 5% 1/4W | |
| R217 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R222 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| R223 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| R230 | 1-247-863-91 | CARBON 22K 5% 1/4W | |
| R231 | 1-247-863-91 | CARBON 22K 5% 1/4W | |
| R232 | 1-247-856-00 | CARBON 11K 5% 1/4W | |
| R240 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R241 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R242 | 1-249-429-11 | CARBON 10K 5% 1/4W | |

## MAIN

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R243 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R244 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R245 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R251 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R252 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R253 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R254 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R255 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R256 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R257 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R258 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R259 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R260 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R261 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R262 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R263 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R264 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R265 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R266 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W |
| R267 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R273 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R301 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R304 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R305 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R306 | 1-247-840-00 | CARBON | 2.4K | 5% | 1/4W |
| R307 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R308 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R309 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W F |
| R351 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R354 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R355 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R356 | 1-247-840-00 | CARBON | 2.4K | 5% | 1/4W |
| R357 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R358 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R359 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W F |
| R401 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R402 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R403 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R404 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R405 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R406 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R407 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R408 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R410 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R411 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R414 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R415 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R416 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R417 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R419 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R454 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R455 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R456 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R457 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F |
| R458 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R461 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R601 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R602 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R603 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R604 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R605 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R615 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R621 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W |
| R622 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W |
| R623 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R624 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R625 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R626 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R627 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R628 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R630 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R631 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F |
| R632 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R633 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R634 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R635 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R636 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R637 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R638 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R639 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R640 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R641 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R642 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R645 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R646 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R650 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R651 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R700 | 1-249-425-31 | CARBON | 4.7K | 5% | 1/4W F |
| R718 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R720 | 1-249-425-31 | CARBON | 4.7K | 5% | 1/4W F |
| R721 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W (AEP,UK) |
| R722 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W (AEP,UK) |
| R726 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R727 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R728 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R730 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W (AEP,UK) |
| R730 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F (AUS,PX) |
| R730 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F (EE, CIS,E,MX,AR) |
| R730 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W (SAF) |
| R731 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W (SAF) |
| R731 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F (E,MX,AR) |
| R731 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F (AEP,UK,AUS,PX) |
| R731 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W (EE,CIS) |
| R734 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R736 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R744 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R745 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R747 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R748 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R755 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R756 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R757 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R758 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R759 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R760 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R761 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R762 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R765 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R766 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R767 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R768 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R773 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R774 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R776 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R777 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R794 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R795 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R796 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R797 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R798 | 1-249-425-31 | CARBON | 4.7K | 5% | 1/4W F |
| R801 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W F |
| R802 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R811 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W F |
| R812 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R856 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R858 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R861 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W |
| R862 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R869 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R870 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R877 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R901 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W |
| R902 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R906 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R907 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R910 | 1-215-883-11 | CARBON | 33 | 5% | 2W F |
| | | | | | (AEP,UK,EE,CIS) |
| R910 | 1-216-447-51 | CARBON | 27 | 5% | 2W F |
| | | | | | (E,MX,AR,AUS,PX,SAF) |
| R911 | 1-215-883-11 | CARBON | 33 | 5% | 2W F |
| | | | | | (AEP,UK,EE,CIS) |
| R911 | 1-216-447-51 | CARBON | 27 | 5% | 2W F |
| | | | | | (E,MX,AR,AUS,PX,SAF) |
| R912 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R942 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W F |
| R943 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R944 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R945 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R946 | 1-260-092-11 | CARBON | 270 | 5% | 1/2W |
| | | | | | (AEP,UK,EE,CIS) |
| R946 | 1-260-093-11 | CARBON | 150 | 5% | 1/2W |
| | | | | | (E,MX,AR,AUS,PX,SAF) |
| R951 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R952 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R953 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R954 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R955 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R956 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R961 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R962 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R963 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| | | < VARIABLE RESISTOR > | | | |
| RV301 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | |
| RV351 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | |
| | | < VIBRATOR > | | | |
| X601 | 1-579-125-11 | VIBRATOR, CERAMIC (8MHz) | | | |
| X701 | 1-579-233-11 | VIBRATOR, CERAMIC (5MHz) | | | |
| X702 | 1-567-098-41 | VIBRATOR, CRYSTAL (32.768kHz) | | | |
| ********** | | | | | |
| * | A-4392-684-A | PANEL BOARD, COMPLETE (AEP,UK,EE,CIS) | | | |
| | | ********** | | | |
| * | A-4392-685-A | PANEL BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | | | | (E,MX,AR,AUS,PX,SAF) |
| * | 4-986-870-11 | HOLDER, FL TUBE | | | |
| | | < CAPACITOR > | | | |
| C601 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C602 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C603 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C604 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C606 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C608 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C610 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C611 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C612 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C613 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C621 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C622 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V |
| C623 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C624 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C625 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C626 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C627 | 1-136-159-00 | FILM | 0.033uF | 5% | 50V |
| C628 | 1-162-302-11 | CERAMIC | 0.0022uF | 30% | 16V |
| C629 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C630 | 1-162-293-31 | CERAMIC | 820PF | 10% | 50V |
| C631 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C632 | 1-126-957-11 | ELECT | 0.22uF | 20% | 50V |
| C641 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C642 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C643 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C644 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C645 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C646 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C647 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C648 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C649 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C650 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C651 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |

# PANEL

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C652 | 1-162-286-21 | CERAMIC | 220PF | 10% 50V | |
| C653 | 1-162-286-21 | CERAMIC | 220PF | 10% 50V | |
| C654 | 1-162-286-21 | CERAMIC | 220PF | 10% 50V | |
| C655 | 1-162-286-21 | CERAMIC | 220PF | 10% 50V | |
| C656 | 1-162-286-21 | CERAMIC | 220PF | 10% 50V | |
| C690 | 1-164-159-21 | CERAMIC | 220PF | 10% 50V | (AEP,UK,EE,CIS) |
| C692 | 1-164-159-21 | CERAMIC | 220PF | 10% 50V | (AEP,UK,EE,CIS) |
| C693 | 1-164-159-21 | CERAMIC | 220PF | 10% 50V | (AEP,UK,EE,CIS) |
| C695 | 1-164-159-21 | CERAMIC | 0.1uF | 50V | |
| C696 | 1-164-159-21 | CERAMIC | 0.1uF | 50V | |
| C697 | 1-162-294-31 | CERAMIC | 1000PF | 10% 50V | |
| C698 | 1-136-165-00 | FILM | 0.1uF | 5% 50V | (AEP,UK,EE,CIS) |
| | | < CONNECTOR > | | | |
| * CN601 | 1-568-836-11 | SOCKET, CONNECTOR 17P | | | |
| * CN602 | 1-568-947-11 | PIN, CONNECTOR 9P | | | |
| CN603 | 1-506-486-11 | PIN, CONNECTOR 7P | | | |
| * CN604 | 1-568-947-11 | PIN, CONNECTOR 9P | | | |
| | | < DIODE > | | | |
| D601 | 8-719-987-63 | DIODE 1N4148M | | | |
| D602 | 8-719-987-63 | DIODE 1N4148M | | | |
| D603 | 8-719-987-63 | DIODE 1N4148M | | | |
| D604 | 8-719-987-63 | DIODE 1N4148M | | | |
| D605 | 8-719-987-63 | DIODE 1N4148M | | | |
| D606 | 8-719-987-63 | DIODE 1N4148M | | | |
| D607 | 8-719-987-63 | DIODE 1N4148M | | | |
| D611 | 8-719-057-29 | DIODE SML78423C-TP15 (TUNER/BAND) | | | |
| D612 | 8-719-057-29 | DIODE SML78423C-TP15 (TUNER/BAND) | | | |
| D613 | 8-719-058-04 | DIODE SEL5223S-TP15 (ENTER/NEXT) | | | |
| D614 | 8-719-058-04 | DIODE SEL5223S-TP15 (GROOVE) | | | |
| D615 | 8-719-058-04 | DIODE SEL5223S-TP15 (SUPER WOOFER) | | | |
| D616 | 8-719-058-04 | DIODE SEL5223S-TP15 (EFFECT) | | | |
| D617 | 8-719-058-04 | DIODE SEL5223S-TP15 (ENTER) | | | |
| D618 | 8-719-058-04 | DIODE SEL5223S-TP15 (FILE 1) | | | |
| D619 | 8-719-058-04 | DIODE SEL5223S-TP15 (FILE 2) | | | |
| D620 | 8-719-058-04 | DIODE SEL5223S-TP15 (FILE 3) | | | |
| D621 | 8-719-058-04 | DIODE SEL5223S-TP15 (FILE 4) | | | |
| D622 | 8-719-058-04 | DIODE SEL5223S-TP15 (FILE 5) | | | |
| D623 | 8-719-058-04 | DIODE SEL5223S-TP15 (P.FILE) | | | |
| D624 | 8-719-058-04 | DIODE SEL5223S-TP15 (MENU 2) | | | |
| D625 | 8-719-058-04 | DIODE SEL5223S-TP15 (MENU 1) | | | |
| D626 | 8-719-058-04 | DIODE SEL5223S-TP15 (DSP) | | | |
| D627 | 8-719-058-04 | DIODE SEL5223S-TP15 (PROLOGIC) | | | |
| D629 | 8-719-058-04 | DIODE SEL5223S-TP15 (PROLOGIC) | | | |
| | | < FERRITE BEAD > | | | |
| FB601 | 1-412-473-21 | INDUCTOR 0UH | | | |
| | | < FLUORESCENT INDICATOR > | | | |
| FL601 | 1-517-617-11 | INDICATOR TUBE, FLUORESCENT | | | |
| | | < IC > | | | |
| IC601 | 8-759-466-89 | IC TMP87CH75-6554 | | | |
| IC602 | 8-759-459-84 | IC NJL56H400 | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < COIL > | | | |
| L601 | 1-410-509-11 | INDUCTOR 10uH | | | |
| | | < TRANSISTOR > | | | |
| Q601 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q602 | 8-729-118-00 | TRANSISTOR 2SB1116-L | | | |
| Q603 | 8-729-118-00 | TRANSISTOR 2SB1116-L | | | |
| Q604 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q605 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q606 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q607 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q608 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q609 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q610 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q611 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q612 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q614 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q615 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q616 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q617 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q618 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q619 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q621 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| Q622 | 8-729-119-77 | TRANSISTOR 2SA1175-FEK | | | |
| | | < RESISTOR > | | | |
| R601 | 1-247-843-11 | CARBON | 3.3K | 5% 1/4W | |
| R602 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R603 | 1-247-903-00 | CARBON | 1M | 5% 1/4W | |
| R606 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R607 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R608 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R609 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R610 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R611 | 1-247-843-11 | CARBON | 3.3K | 5% 1/4W | |
| R612 | 1-247-843-11 | CARBON | 3.3K | 5% 1/4W | |
| R613 | 1-249-401-11 | CARBON | 47 | 5% 1/4W | F |
| R614 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R615 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R617 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | |
| R621 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | F |
| R622 | 1-249-437-11 | CARBON | 47K | 5% 1/4W | |
| R623 | 1-247-895-91 | CARBON | 470K | 5% 1/4W | |
| R624 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | F |
| R625 | 1-249-437-11 | CARBON | 47K | 5% 1/4W | |
| R626 | 1-247-895-91 | CARBON | 470K | 5% 1/4W | |
| R627 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W | F |
| R628 | 1-249-437-11 | CARBON | 47K | 5% 1/4W | |
| R629 | 1-247-895-91 | CARBON | 470K | 5% 1/4W | |
| R631 | 1-249-437-11 | CARBON | 47K | 5% 1/4W | |
| R632 | 1-247-895-91 | CARBON | 470K | 5% 1/4W | |
| R633 | 1-247-897-11 | CARBON | 560K | 5% 1/4W | |
| R634 | 1-247-897-11 | CARBON | 560K | 5% 1/4W | |
| R635 | 1-247-897-11 | CARBON | 560K | 5% 1/4W | |
| R636 | 1-247-897-11 | CARBON | 560K | 5% 1/4W | |
| R637 | 1-247-895-91 | CARBON | 470K | 5% 1/4W | |
| R638 | 1-249-435-11 | CARBON | 33K | 5% 1/4W | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R641 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R642 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F |
| R643 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R644 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R645 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R646 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R647 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R648 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R649 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R650 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F |
| R651 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R652 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R653 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R654 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R655 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F |
| R656 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R657 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R658 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F |
| R659 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R660 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R661 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R662 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R663 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R664 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F |
| R665 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R666 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R667 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R668 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R669 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R670 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F |
| R671 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R672 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R673 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R674 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R675 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R676 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R677 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R678 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F |
| R679 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R681 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R682 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R683 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R684 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R685 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R686 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R687 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R688 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R689 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R690 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R691 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R692 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R693 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R694 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R695 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R696 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R697 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R698 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R699 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R700 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R701 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R702 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R704 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| | | < SWITCH > | | | |
| S601 | 1-554-303-21 | SWITCH, TACTILE (ENTER/NEXT) | | | |
| S602 | 1-554-303-21 | SWITCH, TACTILE (TUNER MEMORY) | | | |
| S603 | 1-554-303-21 | SWITCH, TACTILE (TUNING MODE) | | | |
| S604 | 1-554-303-21 | SWITCH, TACTILE (TUNER/BAND) | | | |
| S605 | 1-554-303-21 | SWITCH, TACTILE (TUNING +) | | | |
| S606 | 1-554-303-21 | SWITCH, TACTILE (TUNING -) | | | |
| S607 | 1-554-303-21 | SWITCH, TACTILE (STEREO/MONO) | | | |
| S608 | 1-554-303-21 | SWITCH, TACTILE (PTY)(AEP,UK) | | | |
| S609 | 1-554-303-21 | SWITCH, TACTILE (FUNCTION) | | | |
| S610 | 1-554-303-21 | SWITCH, TACTILE (GROOVE) | | | |
| S611 | 1-554-303-21 | SWITCH, TACTILE (GEQ ▲) | | | |
| S612 | 1-554-303-21 | SWITCH, TACTILE (GEQ ◀) | | | |
| S613 | 1-554-303-21 | SWITCH, TACTILE (GEQ ▶) | | | |
| S614 | 1-554-303-21 | SWITCH, TACTILE (GEQ ▼) | | | |
| S615 | 1-554-303-21 | SWITCH, TACTILE (SUPER WOOFER) | | | |
| S616 | 1-554-303-21 | SWITCH, TACTILE (SUPER W MODE) | | | |
| S619 | 1-554-303-21 | SWITCH, TACTILE (GEQ CONTROL) | | | |
| S620 | 1-554-303-21 | SWITCH, TACTILE (ENTER) | | | |
| S621 | 1-554-303-21 | SWITCH, TACTILE (EFFECT) | | | |
| S622 | 1-554-303-21 | SWITCH, TACTILE (WAVE) | | | |
| S623 | 1-554-303-21 | SWITCH, TACTILE (KARAOKE PON/MPX) | | | |
| S624 | 1-554-303-21 | SWITCH, TACTILE (DSP) | | | |
| S625 | 1-554-303-21 | SWITCH, TACTILE (PROLOGIC) | | | |
| S626 | 1-554-303-21 | SWITCH, TACTILE (P FILE, MEMORY) | | | |
| S627 | 1-554-303-21 | SWITCH, TACTILE (SPECTRUM ANALYZER) | | | |
| S628 | 1-554-303-21 | SWITCH, TACTILE (DISPLAY/DEMO) | | | |
| S629 | 1-554-303-21 | SWITCH, TACTILE (POWER) | | | |
| S630 | 1-554-303-21 | SWITCH, TACTILE (⏲/TIMER SET) | | | |
| S631 | 1-554-303-21 | SWITCH, TACTILE (REC) | | | |
| S632 | 1-554-303-21 | SWITCH, TACTILE (DAILY 1) | | | |
| S633 | 1-554-303-21 | SWITCH, TACTILE (DAILY 2) | | | |
| S634 | 1-554-303-21 | SWITCH, TACTILE (SLEEP) | | | |
| S701 | 1-467-869-11 | ENCODER, ROTARY (VOLUME) | | | |
| | | < VIBRATOR > | | | |
| X601 | 1-579-125-11 | VIBRATOR, CERAMIC (8MHz) | | | |
| ********** | | | | | |
| * | A-4392-678-A | POWER BOARD, COMPLETE (AEP,UK,EE,CIS) | | | |
| | | ********** ****** | | | |
| * | A-4392-679-A | POWER BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | | | | (E,MX,AR,AUS,PX,SAF) |
| | | < CAPACITOR > | | | |
| C101 | 1-130-781-00 | FILM | 0.22uF | 10% | 100V |
| C102 | 1-130-781-00 | FILM | 0.22uF | 10% | 100V |
| C103 | 1-136-169-00 | FILM | 0.22uF | 5% | 50V |
| C104 | 1-136-169-00 | FILM | 0.22uF | 5% | 50V |
| C105 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |

# POWER

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C106 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C107 | 1-128-576-11 | ELECT | 100uF | 20% | 63V |
| C108 | 1-128-576-11 | ELECT | 100uF | 20% | 63V |
| C110 | 1-126-942-61 | ELECT | 1000uF | 20% | 25V (AEP,UK,EE,CIS) |
| C110 | 1-104-665-11 | ELECT | 100uF | 20% | 50V (E,MX,AR,AUS,PX,SAF) |
| C151 | 1-128-493-11 | ELECT | 4700uF | 20% | 71V |
| C152 | 1-128-493-11 | ELECT | 4700uF | 20% | 71V |
| C153 | 1-128-550-11 | ELECT | 2200uF | 20% | 50V |
| C154 | 1-128-550-11 | ELECT | 2200uF | 20% | 50V |
| C201 | 1-128-582-11 | ELECT | 10uF | 20% | 100V |
| C202 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C203 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C204 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C205 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C206 | 1-128-560-11 | ELECT | 22uF | 20% | 100V |
| C208 | 1-126-965-11 | ELECT | 22uF | 20% | 50V |
| C210 | 1-130-493-00 | MYLAR | 0.068uF | 5% | 50V |
| C211 | 1-130-493-00 | MYLAR | 0.068uF | 5% | 50V |
| C225 | 1-162-284-31 | CERAMIC | 150PF | 10% | 50V |
| C226 | 1-162-284-31 | CERAMIC | 150PF | 10% | 50V |
| C228 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C232 | 1-162-284-31 | CERAMIC | 150PF | 10% | 50V |
| C251 | 1-128-582-11 | ELECT | 10uF | 20% | 100V |
| C252 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C253 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C254 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C255 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C256 | 1-128-560-11 | ELECT | 22uF | 20% | 100V |
| C260 | 1-130-493-00 | MYLAR | 0.068uF | 5% | 50V |
| C261 | 1-130-493-00 | MYLAR | 0.068uF | 5% | 50V |
| C299 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V (AEP,UK,EE,CIS) |
| C301 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C302 | 1-126-923-11 | ELECT | 220uF | 20% | 10V |
| C303 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C304 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C305 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C331 | 1-126-924-11 | ELECT | 330uF | 20% | 10V |
| C401 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C402 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (AEP,UK,EE,CIS) |
| C403 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (AEP,UK,EE,CIS) |
| C404 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (AEP,UK,EE,CIS) |
| C405 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (AEP,UK,EE,CIS) |
| C406 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (AEP,UK,EE,CIS) |
| C407 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (AEP,UK,EE,CIS) |
| C408 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (AEP,UK,EE,CIS) |
| C409 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V (AEP,UK,EE,CIS) |
| C410 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V |
| C411 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V |
| C412 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V |
| C413 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V |
| | | < CONNECTOR > | | | |
| * CN201 | 1-766-957-11 | CONNECTOR, BOARD TO BOARD 20P | | | |
| | | < DIODE > | | | |
| D101 | 8-719-510-68 | DIODE D5SBA20F01 | | | |
| D102 | 8-719-025-03 | DIODE RBA-402-SL | | | |
| D103 | 8-719-987-63 | DIODE 1N4148M (AEP,UK,EE,CIS) | | | |
| D104 | 8-719-200-82 | DIODE 11ES2 | | | |
| D105 | 8-719-200-82 | DIODE 11ES2 | | | |
| D110 | 8-719-200-82 | DIODE 11ES2 | | | |
| D111 | 8-719-200-82 | DIODE 11ES2 | | | |
| D201 | 8-719-815-85 | DIODE 1S1585 | | | |
| D251 | 8-719-815-85 | DIODE 1S1585 | | | |
| D301 | 8-719-987-63 | DIODE 1N4148M | | | |
| D302 | 8-719-987-63 | DIODE 1N4148M | | | |
| D303 | 8-719-987-63 | DIODE 1N4148M | | | |
| D321 | 8-719-815-85 | DIODE 1S1585 | | | |
| D331 | 8-719-987-63 | DIODE 1N4148M | | | |
| D332 | 8-719-987-63 | DIODE 1N4148M | | | |
| D401 | 8-719-987-63 | DIODE 1N4148M | | | |
| D402 | 8-719-987-63 | DIODE 1N4148M | | | |
| D403 | 8-719-815-85 | DIODE 1S1585 | | | |
| D404 | 8-719-815-85 | DIODE 1S1585 | | | |
| D405 | 8-719-815-85 | DIODE 1S1585 | | | |
| D406 | 8-719-815-85 | DIODE 1S1585 | | | |
| | | < EARTH TERMINAL > | | | |
| * EP101 | 1-537-738-21 | TERMINAL, EARTH | | | |
| * EP201 | 1-537-738-21 | TERMINAL, EARTH | | | |
| | | < FUSE > | | | |
| ⚠F101 | 1-532-464-31 | FUSE, TIME-LAG (2.5A/250V) (E,MX,AR,AUS,PX,SAF) | | | |
| ⚠F101 | 1-532-504-31 | FUSE, TIME-LAG (4A/250V) (AEP,UK,EE,CIS) | | | |
| ⚠F102 | 1-532-464-31 | FUSE, TIME-LAG (2.5A/250V) (E,MX,AR,AUS,PX,SAF) | | | |
| ⚠F102 | 1-532-504-31 | FUSE, TIME-LAG (4A/250V) (AEP,UK,EE,CIS) | | | |
| ⚠F103 | 1-532-506-31 | FUSE, TIME-LAG (6.3A/250V) | | | |
| ⚠F104 | 1-532-506-31 | FUSE, TIME-LAG (6.3A/250V) | | | |
| | | < FUSE HOLDER > | | | |
| FH101 | 1-533-233-21 | HOLDER, FUSE | | | |
| FH102 | 1-533-233-21 | HOLDER, FUSE | | | |
| FH103 | 1-533-233-21 | HOLDER, FUSE | | | |
| FH104 | 1-533-233-21 | HOLDER, FUSE | | | |
| FH105 | 1-533-233-21 | HOLDER, FUSE | | | |
| FH106 | 1-533-233-21 | HOLDER, FUSE | | | |
| FH107 | 1-533-233-21 | HOLDER, FUSE | | | |
| FH108 | 1-533-233-21 | HOLDER, FUSE | | | |
| | | < IC > | | | |
| IC201 | 8-749-922-65 | IC STK-4221MK2 (E,MX,AR,AUS,PX,SAF) | | | |
| IC201 | 8-749-921-68 | IC STK-4231MK2 (AEP,UK,EE,CIS) | | | |
| IC301 | 8-759-111-68 | IC uPC1237HA | | | |

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| | | < COIL > | | | | |
| L401 | 1-420-872-00 | COIL, AIR-CORE (AEP,UK,EE,CIS) | | | | |
| L402 | 1-420-872-00 | COIL, AIR-CORE (AEP,UK,EE,CIS) | | | | |
| L403 | 1-420-872-00 | COIL, AIR-CORE (AEP,UK,EE,CIS) | | | | |
| L404 | 1-420-872-00 | COIL, AIR-CORE (AEP,UK,EE,CIS) | | | | |
| | | < TRANSISTOR > | | | | |
| Q111 | 8-729-900-80 | TRANSISTOR DTC114ES (AEP,UK,EE,CIS) | | | | |
| Q112 | 8-729-900-80 | TRANSISTOR DTC114ES (AEP,UK,EE,CIS) | | | | |
| Q113 | 8-729-040-20 | TRANSISTOR RT1P137L-TP (AEP,UK,EE,CIS) | | | | |
| Q201 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | | | | |
| Q251 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | | | | |
| Q301 | 8-729-900-89 | TRANSISTOR DTC144ES | | | | |
| Q323 | 8-729-900-63 | TRANSISTOR DTA124ES | | | | |
| Q331 | 8-729-900-89 | TRANSISTOR DTC144ES | | | | |
| Q401 | 8-729-900-80 | TRANSISTOR DTC114ES | | | | |
| Q402 | 8-729-904-39 | TRANSISTOR DTC114TS | | | | |
| Q403 | 8-729-040-20 | TRANSISTOR RT1P137L-TP | | | | |
| Q404 | 8-729-040-20 | TRANSISTOR RT1P137L-TP | | | | |
| Q405 | 8-729-900-80 | TRANSISTOR DTC114ES | | | | |
| | | < RESISTOR > | | | | |
| ⚠R101 | 1-219-122-91 | FUSIBLE | 0.33 | 5% | 1/4W | F |
| ⚠R103 | 1-216-449-51 | METAL OXIDE | 56 | 5% | 2W | F |
| | | | | | (AEP,UK,EE,CIS) | |
| R111 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| | | | | | (AEP,UK,EE,CIS) | |
| R201 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R202 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R203 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R204 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R206 | 1-260-107-11 | CARBON | 4.7K | 5% | 1/2W | |
| R208 | 1-260-107-11 | CARBON | 4.7K | 5% | 1/2W | |
| ⚠R209 | 1-212-881-11 | FUSIBLE | 100 | 5% | 1/4W | F |
| ⚠R210 | 1-217-156-00 | METAL PLATE | 0.22 | 10% | 5W | |
| R211 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R212 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | F |
| R213 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R215 | 1-260-103-11 | CARBON | 2.2K | 5% | 1/2W | |
| R216 | 1-260-103-11 | CARBON | 2.2K | 5% | 1/2W | |
| R218 | 1-260-076-11 | CARBON | 10 | 5% | 1/2W | |
| R227 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| ⚠R250 | 1-217-637-00 | FUSIBLE | 1 | 5% | 1/4W | F |
| R251 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R252 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R253 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R254 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R256 | 1-260-107-11 | CARBON | 4.7K | 5% | 1/2W | |
| R258 | 1-260-107-11 | CARBON | 4.7K | 5% | 1/2W | |
| ⚠R259 | 1-212-881-11 | FUSIBLE | 100 | 5% | 1/4W | F |
| ⚠R260 | 1-217-156-00 | METAL PLATE | 0.22 | 10% | 5W | |
| R261 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F |
| R262 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | F |
| R263 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R268 | 1-260-076-11 | CARBON | 10 | 5% | 1/2W | |
| R272 | 1-260-093-11 | CARBON | 330 | 5% | 1/2W | |
| R273 | 1-260-093-11 | CARBON | 330 | 5% | 1/2W | |
| R274 | 1-260-093-11 | CARBON | 330 | 5% | 1/2W | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R275 | 1-260-093-11 | CARBON | 330 | 5% | 1/2W |
| R301 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R302 | 1-247-854-11 | CARBON | 9.1K | 5% | 1/4W |
| R303 | 1-247-854-11 | CARBON | 9.1K | 5% | 1/4W |
| R304 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R305 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R306 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R307 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R308 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R309 | 1-247-791-91 | CARBON | 22 | 5% | 1/4W |
| R310 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R311 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R312 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R314 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R315 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R316 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R317 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R331 | 1-247-890-11 | CARBON | 300K | 5% | 1/4W |
| R332 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R333 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R334 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R401 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| ⚠R405 | 1-215-886-11 | METAL OXIDE | 100 | 5% | 2W F |
| | | | | (E,MX,AR,AUS,PX,SAF) | |
| ⚠R405 | 1-216-453-00 | METAL OXIDE | 270 | 5% | 2W F |
| | | | | (AEP,UK,EE,CIS) | |
| ⚠R407 | 1-215-886-11 | METAL OXIDE | 100 | 5% | 2W F |
| | | | | (E,MX,AR,AUS,PX,SAF) | |
| ⚠R407 | 1-216-453-00 | METAL OXIDE | 270 | 5% | 2W F |
| | | | | (AEP,UK,EE,CIS) | |
| R408 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R409 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W |
| R410 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R411 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R412 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R413 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R414 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R415 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R416 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R417 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R418 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R419 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R420 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R421 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R422 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |
| R423 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | (AEP,UK,EE,CIS) |

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

# POWER | SURROUND

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < RELAY > | |
| ⚠RY101 | 1-755-195-11 | RELAY (AEP,UK,EE,CIS) | |
| RY401 | 1-755-142-11 | RELAY | |
| RY402 | 1-755-141-11 | RELAY | |
| | | < TERMINAL > | |
| TM401 | 1-537-842-11 | TERMINAL BOARD (FRONT SPEAKER) | |
| TM402 | 1-537-510-11 | TERMINAL BOARD (SPEAKER)(6P) | (SURROUND SPEAKER) |
| ********** | | | |
| * | A-4392-662-A | SURROUND BOARD, COMPLETE ********** | (E,MX,AR,AUS,PX,SAF) |
| * | A-4392-663-A | SURROUND BOARD, COMPLETE (AEP,UK,EE,CIS) ********** | |
| | | < CAPACITOR > | |
| C601 | 1-126-963-11 | ELECT 4.7uF 20% 50V | |
| C602 | 1-162-292-31 | CERAMIC 680PF 10% 50V | |
| C603 | 1-162-286-21 | CERAMIC 220PF 10% 50V | |
| C604 | 1-126-967-11 | ELECT 47uF 20% 50V | |
| C605 | 1-126-967-11 | ELECT 47uF 20% 50V | |
| C606 | 1-126-968-11 | ELECT 100uF 20% 50V | |
| C608 | 1-126-965-11 | ELECT 22uF 20% 50V | |
| C610 | 1-130-493-00 | MYLAR 0.068uF 5% 50V | |
| C611 | 1-130-493-00 | MYLAR 0.068uF 5% 50V | |
| C613 | 1-161-494-00 | CERAMIC 0.022uF 25V | (AEP,UK,EE,CIS) |
| C620 | 1-126-923-11 | ELECT 220uF 20% 10V | |
| C625 | 1-162-284-31 | CERAMIC 150PF 10% 50V | |
| C626 | 1-162-284-31 | CERAMIC 150PF 10% 50V | (AEP,UK,EE,CIS) |
| C628 | 1-164-159-21 | CERAMIC 0.1uF 50V | |
| C651 | 1-126-963-11 | ELECT 4.7uF 20% 50V | |
| C652 | 1-162-292-31 | CERAMIC 680PF 10% 50V | |
| C653 | 1-162-286-21 | CERAMIC 220PF 10% 50V | |
| C654 | 1-126-967-11 | ELECT 47uF 20% 50V | |
| C655 | 1-126-967-11 | ELECT 47uF 20% 50V | |
| C656 | 1-126-968-11 | ELECT 100uF 20% 50V | |
| C660 | 1-130-493-00 | MYLAR 0.068uF 5% 50V | |
| C661 | 1-130-493-00 | MYLAR 0.068uF 5% 50V | |
| | | < CONNECTOR > | |
| CN601 | 1-691-765-11 | PLUG (MICRO CONNECTOR) 3P | |
| CN602 | 1-691-770-11 | PLUG (MICRO CONNECTOR) 8P | |
| CN603 | 1-691-766-11 | PLUG (MICRO CONNECTOR) 4P | |
| | | < DIODE > | |
| D601 | 8-719-987-63 | DIODE 1N4148M | |
| D602 | 8-719-987-63 | DIODE 1N4148M | |
| D603 | 8-719-987-63 | DIODE 1N4148M | |
| D604 | 8-719-987-63 | DIODE 1N4148M | |
| D651 | 8-719-987-63 | DIODE 1N4148M | |
| | | < EARTH TERMINAL > | |
| * EP601 | 1-537-738-21 | TERMINAL, EARTH (AEP,UK,EE,CIS) | |
| * EP602 | 1-537-738-21 | TERMINAL, EARTH | |
| | | < IC > | |
| IC601 | 8-749-900-96 | IC STK-4142MK2 | |
| | | < TRANSISTOR > | |
| Q601 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | |
| Q651 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | |
| Q670 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q671 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| | | < RESISTOR > | |
| R601 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R602 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R603 | 1-249-415-11 | CARBON 680 5% 1/4W | F |
| R604 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R605 | 1-260-103-11 | CARBON 2.2K 5% 1/2W | |
| R606 | 1-260-103-11 | CARBON 2.2K 5% 1/2W | |
| ⚠R609 | 1-212-881-11 | FUSIBLE 100 5% 1/4W | F |
| ⚠R610 | 1-217-151-00 | METAL PLATE 0.22 10% 2W | |
| R611 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R612 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R613 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R614 | 1-260-099-11 | CARBON 1K 5% 1/2W | |
| R616 | 1-260-099-11 | CARBON 1K 5% 1/2W | |
| R618 | 1-260-076-11 | CARBON 10 5% 1/2W | |
| R627 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R628 | 1-247-881-00 | CARBON 120K 5% 1/4W | |
| R630 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R642 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| ⚠R644 | 1-217-637-00 | FUSIBLE 1 5% 1/4W | F |
| R651 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R652 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R653 | 1-249-415-11 | CARBON 680 5% 1/4W | F |
| R654 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R655 | 1-260-103-11 | CARBON 2.2K 5% 1/2W | |
| R656 | 1-260-103-11 | CARBON 2.2K 5% 1/2W | |
| ⚠R659 | 1-212-881-11 | FUSIBLE 100 5% 1/4W | F |
| ⚠R660 | 1-217-151-00 | METAL PLATE 0.22 10% 2W | |
| R661 | 1-249-417-11 | CARBON 1K 5% 1/4W | F |
| R662 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R663 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R668 | 1-260-076-11 | CARBON 10 5% 1/2W | |
| R670 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R671 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R672 | 1-249-436-11 | CARBON 39K 5% 1/4W | (E) |
| R672 | 1-249-437-11 | CARBON 47K 5% 1/4W | (AEP,UK,EE,CIS) |
| R672 | 1-249-441-11 | CARBON 100K 5% 1/4W | (MX,AR,AUS,PX,SAF) |
| | | < THERMISTOR > | |
| THP670 | 1-807-796-11 | THERMISTOR | |
| ********** | | | |

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | 1-659-058-13 | TABLE SENSOR BOARD | | | |
| | | ********** | | | |
| | | < IC > | | | |
| IC202 | 8-749-924-18 | IC PHOTO INTERRUPTER RPI-1391 | | | |
| | | < RESISTOR > | | | |
| R207 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W F |
| ********** | | | | | |
| * | A-4303-570-A | TCB BOARD, COMPLETE (EE,CIS) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C1 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C2 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C3 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C5 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C6 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C7 | 1-101-004-00 | CERAMIC | 0.01uF | | 50V |
| C8 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C9 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C10 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C16 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C19 | 1-163-249-11 | CERAMIC CHIP | 82PF | 5% | 50V |
| C21 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C22 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C23 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C24 | 1-163-239-11 | CERAMIC CHIP | 33PF | 5% | 50V |
| C26 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C28 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C29 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| C30 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C31 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C32 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C33 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C34 | 1-163-229-11 | CERAMIC CHIP | 12PF | 5% | 50V |
| C35 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C36 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C37 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C39 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C40 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C41 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C42 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C43 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C44 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C45 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C46 | 1-163-077-00 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C47 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C48 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C49 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C50 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V |
| C51 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V |
| C52 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C53 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C54 | 1-104-396-11 | ELECT | 10uF | 20% | 16V |
| C55 | 1-104-396-11 | ELECT | 10uF | 20% | 16V |
| C56 | 1-104-396-11 | ELECT | 10uF | 20% | 16V |
| C57 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V |
| C58 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V |
| C59 | 1-163-989-11 | CERAMIC CHIP | 33000PF | 10% | 25V |
| C60 | 1-163-989-11 | CERAMIC CHIP | 33000PF | 10% | 25V |
| C61 | 1-126-301-11 | ELECT | 1.0uF | 20% | 50V |
| C62 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C63 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V |
| C64 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C65 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C66 | 1-126-162-11 | ELECT | 3.3uF | 20% | 50V |
| C67 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C68 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| C71 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| C72 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C120 | 1-163-105-00 | CERAMIC CHIP | 33PF | 5% | 50V |
| C1701 | 1-162-294-31 | CERAMIC CHIP | 1000PF | 10% | 50V |
| C1702 | 1-130-014-00 | FILM | 470PF | 5% | 50V |
| C1703 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C1704 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C1705 | 1-163-035-00 | CERAMIC CHIP | 0.047uF | | 50V |
| C1706 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V |
| C1707 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C1710 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C1711 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C1712 | 1-130-736-11 | FILM | 0.01uF | 5% | 50V |
| C1713 | 1-130-736-11 | FILM | 0.01uF | 5% | 50V |
| C1714 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V |
| C1715 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V |
| C1716 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V |
| C1719 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C1720 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C1723 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C1724 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C1725 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C1726 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V |
| C1727 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V |
| C1728 | 1-126-966-11 | ELECT | 33uF | 20% | 16V |
| | | < FILTER > | | | |
| CF1 | 1-567-389-11 | FILTER, CERAMIC | | | |
| CF3 | 1-567-389-11 | FILTER, CERAMIC | | | |
| CF3 | 1-760-393-11 | FILTER, CERAMIC | | | |
| | | < CONNECTOR > | | | |
| * CN1 | 1-568-834-11 | SOCKET, CONNECTOR 15P | | | |
| | | < TRIMMER > | | | |
| CT1701 | 1-141-444-11 | CAP, CERAMIC TRIMMER 50PF | | | |
| | | < DIODE > | | | |
| D21 | 8-719-976-99 | DIODE DTZ5.1B | | | |
| D41 | 8-719-016-74 | DIODE 1SS352 | | | |
| D42 | 8-719-016-74 | DIODE 1SS352 | | | |
| D43 | 8-719-016-74 | DIODE 1SS352 | | | |
| D1701 | 8-719-016-74 | DIODE 1SS352 | | | |

## TCB

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| D1702 | 8-719-016-74 | DIODE 1SS352 | |
| D1703 | 8-719-987-63 | DIODE 1N4148 | |
| D1704 | 8-719-016-74 | DIODE 1SS352 | |
| | | < FRONTEND > | |
| FE1 | 1-693-335-11 | FRONT END (3 GANG) | |
| FE2 | 1-233-514-11 | ENCAPSULATED COMPONENT | |
| | | < IC > | |
| IC21 | 8-759-288-54 | IC LC72130 | |
| IC41 | 8-759-176-03 | IC LA1835 | |
| IC1701 | 8-759-063-04 | IC IR3R42 | |
| IC1702 | 8-759-140-53 | IC uPD4053BC | |
| | | < IFT > | |
| IFT41 | 1-409-636-11 | TRANSFORMER, IF (CERAMIC FILTER) | |
| | | < JUMPER RESISTOR > | |
| JR2 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR6 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR8 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR9 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR46 | 1-216-296-91 | METAL CHIP 0 5% | 1/8W |
| JR47 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR48 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR49 | 1-216-296-91 | METAL CHIP 0 5% | 1/8W |
| JR51 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR52 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR53 | 1-216-296-91 | METAL CHIP 0 5% | 1/8W |
| JR54 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR1701 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR1702 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR1703 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR1704 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| JR1705 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| | | < COIL > | |
| L3 | 1-410-521-11 | MICRO INDUCTOR 100uH | |
| L41 | 1-407-500-00 | MICRO INDUCTOR 4.7mH | |
| L1701 | 1-409-497-11 | COIL (FILTER) | |
| | | < FILTER > | |
| LPF41 | 1-239-845-11 | FILTER, LOW PASS | |
| LPF42 | 1-239-845-11 | FILTER, LOW PASS | |
| | | < TRANSISTOR > | |
| Q1 | 8-729-201-27 | TRANSISTOR 2SC2715Y | |
| Q2 | 8-729-201-27 | TRANSISTOR 2SC2715Y | |
| Q3 | 8-729-201-27 | TRANSISTOR 2SC2715Y | |
| Q4 | 8-729-201-27 | TRANSISTOR 2SC2715Y | |
| Q5 | 8-729-424-08 | TRANSISTOR UN2111 | |
| Q9 | 8-729-216-22 | TRANSISTOR 2SA812-M5M6 | |
| Q11 | 8-729-421-22 | TRANSISTOR UN2211 | |
| Q12 | 8-729-421-22 | TRANSISTOR UN2211 | |
| Q13 | 8-729-421-22 | TRANSISTOR UN2211 | |
| Q14 | 8-729-421-22 | TRANSISTOR UN2211 | |
| Q1701 | 8-729-424-08 | TRANSISTOR UN2111 | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| Q1702 | 8-729-907-00 | TRANSISTOR DTC114EU | |
| Q1703 | 8-729-421-22 | TRANSISTOR UN2211 | |
| | | < RESISTOR > | |
| R1 | 1-249-401-11 | CARBON 47 5% | 1/4W F |
| R2 | 1-216-037-00 | METAL CHIP 330 5% | 1/10W |
| R3 | 1-216-037-00 | METAL CHIP 330 5% | 1/10W |
| R5 | 1-216-037-00 | METAL CHIP 330 5% | 1/10W |
| R6 | 1-216-081-00 | METAL CHIP 22K 5% | 1/10W |
| R7 | 1-216-037-00 | METAL CHIP 330 5% | 1/10W |
| R8 | 1-216-037-00 | METAL CHIP 330 5% | 1/10W |
| R9 | 1-216-081-00 | METAL CHIP 22K 5% | 1/10W |
| R10 | 1-216-037-00 | METAL CHIP 330 5% | 1/10W |
| R11 | 1-216-081-00 | METAL CHIP 22K 5% | 1/10W |
| R12 | 1-216-037-00 | METAL CHIP 330 5% | 1/10W |
| R13 | 1-216-037-00 | METAL CHIP 330 5% | 1/10W |
| R14 | 1-216-081-00 | METAL CHIP 22K 5% | 1/10W |
| R18 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R19 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R21 | 1-249-417-11 | CARBON 1.0K 5% | 1/4W |
| R22 | 1-249-417-11 | CARBON 1.0K 5% | 1/4W |
| R23 | 1-249-417-11 | CARBON 1.0K 5% | 1/4W |
| R24 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R25 | 1-249-417-11 | CARBON 1.0K 5% | 1/4W F |
| R26 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| R27 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R28 | 1-249-417-11 | CARBON 1.0K 5% | 1/4W F |
| R29 | 1-216-061-00 | METAL CHIP 3.3K 5% | 1/10W |
| R30 | 1-216-186-00 | METAL CHIP 330 5% | 1/8W |
| R31 | 1-216-025-91 | METAL CHIP 100 5% | 1/10W |
| R32 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R33 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R34 | 1-216-065-00 | METAL CHIP 4.7K 5% | 1/10W |
| R35 | 1-216-214-00 | METAL CHIP 4.7K 5% | 1/8W |
| R36 | 1-216-025-91 | METAL CHIP 100 5% | 1/10W |
| R37 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R38 | 1-216-089-91 | METAL CHIP 47K 5% | 1/10W |
| R39 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R42 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R43 | 1-216-042-00 | METAL CHIP 510 5% | 1/10W |
| R44 | 1-216-013-00 | METAL CHIP 33 5% | 1/10W |
| R45 | 1-247-843-11 | CARBON 3.3K 5% | 1/4W F |
| R46 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R47 | 1-216-097-91 | METAL CHIP 100K 5% | 1/10W |
| R48 | 1-249-417-11 | CARBON 1.0K 5% | 1/4W F |
| R49 | 1-216-049-91 | METAL CHIP 1.0K 5% | 1/10W |
| R50 | 1-216-065-00 | METAL CHIP 4.7K 5% | 1/10W |
| R51 | 1-216-065-00 | METAL CHIP 4.7K 5% | 1/10W |
| R53 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R55 | 1-216-162-00 | METAL CHIP 33 5% | 1/8W |
| R56 | 1-249-393-11 | CARBON 10 5% | 1/4W F |
| R91 | 1-216-295-91 | METAL CHIP 0 5% | 1/10W |
| R92 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R94 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R99 | 1-249-399-11 | CARBON 33 5% | 1/4W F |
| R1701 | 1-216-081-00 | METAL CHIP 22K 5% | 1/10W |
| R1702 | 1-216-085-00 | METAL CHIP 33K 5% | 1/10W |
| R1703 | 1-216-069-00 | METAL CHIP 6.8K 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R1704 | 1-216-075-00 | METAL CHIP | 12K | 5% | 1/10W |
| R1705 | 1-216-049-91 | METAL CHIP | 1.0K | 5% | 1/10W |
| R1706 | 1-216-049-91 | METAL CHIP | 1.0K | 5% | 1/10W |
| R1707 | 1-216-097-91 | METAL CHIP | 100K | 5% | 1/10W |
| R1708 | 1-216-095-00 | METAL CHIP | 82K | 5% | 1/10W |
| R1709 | 1-216-089-91 | METAL CHIP | 47K | 5% | 1/10W |
| R1710 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R1711 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R1714 | 1-216-067-00 | METAL CHIP | 5.6K | 5% | 1/10W |
| R1715 | 1-216-067-00 | METAL CHIP | 5.6K | 5% | 1/10W |
| R1716 | 1-216-097-91 | METAL CHIP | 100K | 5% | 1/10W |
| R1717 | 1-216-097-91 | METAL CHIP | 100K | 5% | 1/10W |
| R1718 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R1719 | 1-216-097-91 | METAL CHIP | 100K | 5% | 1/10W |
| R1720 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| R1721 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| | | < VARIABLE RESISTOR > | | | |
| RV41 | 1-238-601-11 | RES, ADJ, CARBON 22K | | | |
| RV42 | 1-238-600-11 | RES, ADJ, CARBON 10K | | | |
| RV1701 | 1-238-600-11 | RES, ADJ, CARBON 10K | | | |
| RV1702 | 1-238-599-11 | RES, ADJ, CARBON 4.7K | | | |
| | | < TERMINAL > | | | |
| TM1 | 1-537-488-11 | TERMINAL BOARD (ANT) (ANTENNA) | | | |
| | | < VIBRATOR > | | | |
| X21 | 1-760-549-11 | VIBRATOR, CRYSTAL (4.5MHz) | | | |
| X41 | 1-760-220-11 | FILTER, CERAMIC (10.7MHz) | | | |
| X42 | 1-527-981-00 | FILTER, CERAMIC (450kHz) | | | |
| X43 | 1-577-075-11 | OSCILLATOR, CERAMIC (456kHz) | | | |
| ********** | | | | | |
| * | A-4303-571-A | TCB BOARD, COMPLETE (AEP,UK) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C1 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C2 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C3 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C5 | 1-163-031-11 | CERAMIC CHIP | 0,01uF | | 50V |
| C6 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C8 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C9 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C10 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C16 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C19 | 1-163-249-11 | CERAMIC CHIP | 82PF | 5% | 50V |
| C21 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| C22 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C23 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C24 | 1-163-239-11 | CERAMIC CHIP | 33PF | 5% | 50V |
| C26 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C28 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| C29 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| C30 | 1-126-961-11 | ELECT | 2.2uF | 20% | 100V |
| C31 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C32 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |

| Ref. No. | Part No. | Description | | | Remark | |
|---|---|---|---|---|---|---|
| C33 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | |
| C34 | 1-163-229-11 | CERAMIC CHIP | 12PF | 5% | 50V | |
| C35 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | |
| C36 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V | |
| C37 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V | |
| C39 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V | |
| C40 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V | |
| C41 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V | |
| C42 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | |
| C43 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | |
| C44 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V | |
| C45 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | |
| C46 | 1-163-077-00 | CERAMIC CHIP | 0.1uF | 10% | 25V | |
| C47 | 1-126-967-11 | ELECT | 47uF | 20% | 16V | |
| C48 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V | |
| C49 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V | |
| C50 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V | |
| C51 | 1-126-960-11 | ELECT | 1.0uF | 20% | 50V | |
| C52 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | |
| C53 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | |
| C54 | 1-104-396-11 | ELECT | 10uF | 20% | 16V | |
| C55 | 1-104-396-11 | ELECT | 10uF | 20% | 16V | |
| C56 | 1-104-396-11 | ELECT | 10uF | 20% | 16V | |
| C57 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V | |
| C58 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V | |
| C59 | 1-163-989-11 | CERAMIC CHIP | 0.033uF | 10% | 25V | |
| C60 | 1-163-989-11 | CERAMIC CHIP | 0.033uF | 10% | 25V | |
| C61 | 1-126-301-11 | ELECT | 1uF | 20% | 50V | |
| C62 | 1-163-141-00 | CERAMIC CHIP | 0.001uF | 5% | 50V | |
| C63 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V | |
| C64 | 1-126-967-11 | ELECT | 47uF | 20% | 16V | |
| C65 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V | |
| C66 | 1-126-162-11 | ELECT | 3.3uF | 20% | 50V | |
| C67 | 1-126-933-11 | ELECT | 100uF | 20% | 10V | |
| C68 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V | |
| C71 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V | |
| C72 | 1-126-967-11 | ELECT | 47uF | 20% | 16V | |
| C120 | 1-163-105-00 | CERAMIC CHIP | 33PF | 5% | 50V | |
| C1751 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | F |
| C1752 | 1-126-967-11 | ELECT | 47uF | 20% | 16V | |
| C1753 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | |
| C1754 | 1-162-291-31 | CERAMIC | 560PF | 10% | 50V | |
| C1755 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | |
| C1756 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V | |
| C1757 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V | |
| C1758 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V | |
| C1759 | 1-163-135-00 | CERAMIC CHIP | 560PF | 5% | 50V | |
| C1760 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V | |
| C1761 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V | |
| C1762 | 1-163-249-11 | CERAMIC CHIP | 82PF | 5% | 50V | |
| | | < FILTER > | | | | |
| CF1 | 1-579-374-71 | FILTER, CERAMIC | | | | |
| CF2 | 1-760-393-11 | FILTER, CERAMIC | | | | |
| CF3 | 1-760-393-11 | FILTER, CERAMIC | | | | |
| | | < CONNECTOR > | | | | |
| * CN1 | 1-568-834-11 | SOCKET, CONNECTOR 15P | | | | |

## TCB

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < DIODE > | |
| D21 | 8-719-976-99 | DIODE UDZ-TE-17-5.1B | |
| D41 | 8-719-016-74 | DIODE 1SS352-TPH3 | |
| D42 | 8-719-987-63 | DIODE 1N4148M | |
| D1751 | 8-719-016-74 | DIODE 1SS352-TPH3 | |
| | | < FRONT-END > | |
| FE1 | 1-693-357-11 | FRONT END (4 GANG) | |
| FE2 | 1-233-514-11 | ENCAPSULATED COMPONENT | |
| | | < IC > | |
| IC21 | 8-759-288-54 | IC LC72130 | |
| IC41 | 8-759-176-03 | IC LA1835 | |
| IC1751 | 8-759-634-51 | IC M5218AP | |
| IC1752 | 8-759-450-86 | IC BU1922 | |
| | | < IFT > | |
| IFT41 | 1-409-636-11 | TRANSFORMER, IF (CERAMIC FILTER) | |
| | | < JUMPER RESISTOR > | |
| JR2 | 1-216-295-11 | METAL CHIP 0 5% | 1/10W |
| JR6 | 1-216-295-11 | METAL CHIP 0 5% | 1/10W |
| JR8 | 1-216-295-11 | METAL CHIP 0 5% | 1/10W |
| JR9 | 1-216-295-11 | METAL CHIP 0 5% | 1/10W |
| JR46 | 1-216-296-11 | METAL CHIP 0 5% | 1/8W |
| JR47 | 1-216-295-11 | METAL CHIP 0 5% | 1/10W |
| JR48 | 1-216-295-11 | METAL CHIP 0 5% | 1/10W |
| JR49 | 1-216-296-11 | METAL CHIP 0 5% | 1/8W |
| JR51 | 1-216-295-11 | METAL CHIP 0 5% | 1/10W |
| JR52 | 1-216-295-11 | METAL CHIP 0 5% | 1/10W |
| JR53 | 1-216-296-11 | METAL CHIP 0 5% | 1/8W |
| JR54 | 1-216-295-11 | METAL CHIP 0 5% | 1/10W |
| | | < COIL > | |
| L2 | 1-414-142-11 | MICRO INDUCTOR 1uH | |
| L3 | 1-410-521-11 | MICRO INDUCTOR 100uH | |
| L4 | 1-410-515-11 | INDUCTOR 33uH | |
| L41 | 1-407-500-00 | MICRO INDUCTOR 4.7mH | |
| L1751 | 1-410-521-11 | MICRO INDUCTOR 100uH | |
| | | < FILTER > | |
| LPF41 | 1-239-845-11 | FILTER, LOW PASS | |
| LPF42 | 1-239-845-11 | FILTER, LOW PASS | |
| | | < TRANSISTOR > | |
| Q1 | 8-729-201-27 | TRANSISTOR 2SC2715Y-TE85L | |
| Q2 | 8-729-201-27 | TRANSISTOR 2SC2715Y-TE85L | |
| Q3 | 8-729-201-27 | TRANSISTOR 2SC2715Y-TE85L | |
| Q4 | 8-729-201-27 | TRANSISTOR 2SC2715Y-TE85L | |
| Q5 | 8-729-424-08 | TRANSISTOR UN2111 | |
| Q9 | 8-729-216-22 | TRANSISTOR 2SA812-M5M6 | |
| Q11 | 8-729-421-22 | TRANSISTOR UN2211 | |
| Q12 | 8-729-421-22 | TRANSISTOR UN2211 | |
| Q13 | 8-729-421-22 | TRANSISTOR UN2211 | |
| Q14 | 8-729-421-22 | TRANSISTOR UN2211 | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < RESISTOR > | | | |
| R1 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F |
| R2 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R3 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R5 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R6 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R7 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R8 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R9 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R10 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R11 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R12 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R13 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R14 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R18 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R19 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R21 | 1-216-049-91 | METAL CHIP | 1.0K | 5% | 1/10W |
| R22 | 1-216-049-91 | METAL CHIP | 1.0K | 5% | 1/10W |
| R23 | 1-216-049-91 | METAL CHIP | 1.0K | 5% | 1/10W |
| R24 | 1-216-025-91 | METAL CHIP | 100 | 5% | 1/10W |
| R25 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R26 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R27 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R28 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R29 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R30 | 1-216-186-00 | METAL CHIP | 330 | 5% | 1/8W |
| R31 | 1-216-025-91 | METAL CHIP | 100 | 5% | 1/10W |
| R32 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R33 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R34 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R35 | 1-216-214-00 | METAL CHIP | 4.7K | 5% | 1/8W |
| R36 | 1-216-025-91 | METAL CHIP | 100 | 5% | 1/10W |
| R37 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R38 | 1-216-089-91 | METAL CHIP | 47K | 5% | 1/10W |
| R39 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R42 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R43 | 1-216-042-00 | METAL CHIP | 510 | 5% | 1/10W |
| R44 | 1-216-013-00 | METAL CHIP | 33 | 5% | 1/10W |
| R45 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W F |
| R46 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R47 | 1-216-097-91 | METAL CHIP | 100K | 5% | 1/10W |
| R48 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R49 | 1-216-049-91 | METAL CHIP | 1.0K | 5% | 1/10W |
| R50 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R51 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R53 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R55 | 1-216-162-00 | METAL CHIP | 33 | 5% | 1/8W |
| R56 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |
| R91 | 1-216-295-11 | METAL CHIP | 0 | 5% | 1/10W |
| R92 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R99 | 1-249-399-11 | CARBON | 33 | 5% | 1/4W |
| R1751 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R1752 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R1753 | 1-216-067-00 | METAL CHIP | 5.6K | 5% | 1/10W |
| R1754 | 1-216-097-91 | METAL CHIP | 100K | 5% | 1/10W |
| R1755 | 1-216-097-91 | METAL CHIP | 100K | 5% | 1/10W |
| R1756 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R1757 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| | | < VARIABLE RESISTOR > | | | |
| RV41 | 1-238-601-11 | RES, ADJ, CARBON 22K | | | |
| RV42 | 1-238-600-11 | RES, ADJ, CARBON 10K | | | |
| | | < TERMINAL > | | | |
| TM1 | 1-537-488-11 | TERMINAL BOARD (ANT) (ANTENNA) | | | |
| | | < VIBRATOR > | | | |
| X21 | 1-760-549-11 | VIBRATOR, CRYSTAL (4.5MHz) | | | |
| X41 | 1-760-220-11 | FILTER, CERAMIC (10.7MHz) | | | |
| X42 | 1-527-981-00 | FILTER, CERAMIC (450KHz) | | | |
| X43 | 1-577-075-11 | OSCILLATOR, CERAMIC (456KHz) | | | |
| X1751 | 1-579-900-21 | VIBRATOR, CRYSTAL (4.332MHz) | | | |
| ********** | | | | | |
| * | 1-664-012-11 | TC-A SW BOARD<br>********** | | | |
| | | < CONNECTOR > | | | |
| CN612 | 1-506-486-11 | PIN, CONNECTOR 7P | | | |
| | | < DIODE > | | | |
| D631 | 8-719-057-29 | DIODE SML78423C-TP15 (▷)(DECK A) | | | |
| D632 | 8-719-057-29 | DIODE SML78423C-TP15 (◁)(DECK A) | | | |
| | | < RESISTOR > | | | |
| R705 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F |
| R706 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W F |
| R707 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R708 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R709 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R710 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R711 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R712 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R713 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R714 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| | | < SWITCH > | | | |
| S641 | 1-554-303-21 | SWITCH, TACTILE (▷)(DECK A) | | | |
| S642 | 1-554-303-21 | SWITCH, TACTILE (◁)(DECK A) | | | |
| S643 | 1-554-303-21 | SWITCH, TACTILE (■)(DECK A) | | | |
| S644 | 1-554-303-21 | SWITCH, TACTILE (◀◀)(DECK A) | | | |
| S645 | 1-554-303-21 | SWITCH, TACTILE (▶▶)(DECK A) | | | |
| S646 | 1-554-303-21 | SWITCH, TACTILE (DOLBY NR) | | | |
| S647 | 1-554-303-21 | SWITCH, TACTILE (DIRECTION) | | | |
| ********** | | | | | |
| * | 1-664-013-11 | TC-B SW BOARD<br>********** | | | |
| | | < DIODE > | | | |
| D635 | 8-719-057-29 | DIODE SML78423C-TP15 (◁)(DECK B) | | | |
| D636 | 8-719-057-29 | DIODE SML78423C-TP15 (▷)(DECK B) | | | |
| D637 | 8-719-058-17 | DIODE LNJ401NPYJA (▮▮)(DECK B) | | | |
| D638 | 8-719-057-09 | DIODE LNJ801LPDJA (● REC)(DECK B) | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < RESISTOR > | | | |
| R715 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R716 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R717 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R718 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F |
| R719 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R720 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R721 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R722 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R723 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R724 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R725 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R726 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R727 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R728 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| | | < SWITCH > | | | |
| S651 | 1-554-303-21 | SWITCH, TACTILE (▷)(DECK B) | | | |
| S652 | 1-554-303-21 | SWITCH, TACTILE (◁)(DECK B) | | | |
| S653 | 1-554-303-21 | SWITCH, TACTILE (▶▶)(DECK B) | | | |
| S654 | 1-554-303-21 | SWITCH, TACTILE (◀◀)(DECK B) | | | |
| S655 | 1-554-303-21 | SWITCH, TACTILE (■)(DECK B) | | | |
| S656 | 1-554-303-21 | SWITCH, TACTILE (▮▮)(DECK B) | | | |
| S657 | 1-554-303-21 | SWITCH, TACTILE (● REC)(DECK B) | | | |
| S658 | 1-554-303-21 | SWITCH, TACTILE (H.SPEED DUBB) | | | |
| S659 | 1-554-303-21 | SWITCH, TACTILE (CD SYNC) | | | |
| ********** | | | | | |
| * | 1-663-994-11 | TRANS BOARD<br>********** | | | |
| | | < CONNECTOR > | | | |
| * CN501 | 1-564-527-11 | PLUG, CONNECTOR 12P | | | |
| CN502 | 1-580-230-11 | PIN, CONNECTOR (PC BOARD) 2P | | | |
| | | < FUSE > | | | |
| ⚠F501 | 1-532-504-31 | FUSE, TIME-LAG (4A/250V)(E,AR,PX,SAF) | | | |
| | | < FUSE HOLDER > | | | |
| FH501 | 1-533-233-21 | HOLDER, FUSE (E,AR,PX,SAF) | | | |
| FH502 | 1-533-233-21 | HOLDER, FUSE (E,AR,PX,SAF) | | | |
| | | < RESISTOR > | | | |
| ⚠R501 | 1-219-120-11 | FUSIBLE | 0.15 | 5% | 1/4W F |
| ⚠R502 | 1-219-120-11 | FUSIBLE | 0.15 | 5% | 1/4W F |
| ⚠R503 | 1-219-124-11 | FUSIBLE | 0.68 | 5% | 1/4W F |
| ⚠R506 | 1-202-725-00 | SOLID | 3.3M | 10% | 1/2W (MX) |
| | | < SWITCH > | | | |
| ⚠S501 | 1-762-753-11 | SWITCH, VOLTAGE SELECTION (VOLTAGE SELECTOR)(E,AR,PX,SAF) | | | |

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

## TRANS

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < TRANSFORMER > | |
| ⚠T501 | 1-431-139-11 | TRANSFORMER, POWER (AEP,UK,EE,CIS) | |
| ⚠T501 | 1-431-140-11 | TRANSFORMER, POWER (E,MX,AR,AUS,PX,SAF) | |
| ********** | | | |
| | | MISCELLANEOUS | |
| | | ********** | |
| 5 | 1-233-545-11 | ENCAPSULATED COMPONENT (E,MX,AR,AUS,PX,SAF) | |
| 6 | 1-769-974-11 | WIRE (FLAT TYPE)(13 CORE) (E,MX,AR,AUS,PX,SAF) | |
| 6 | 1-773-006-11 | WIRE (FLAT TYPE)(15 CORE)(AEP,UK,EE,CIS) | |
| 58 | 1-773-163-11 | WIRE (FLAT TYPE)(21 CORE) | |
| 59 | 1-769-949-11 | WIRE (FLAT TYPE)(11 CORE) | |
| 120 | 1-773-051-11 | WIRE (FLAT TYPE)(17 CORE) | |
| 156 | 1-777-868-11 | WIRE (FLAT TYPE)(19 CORE) | |
| ⚠161 | 1-569-007-11 | ADAPTOR, CONVERSION 2P (PX) | |
| ⚠161 | 1-569-008-11 | ADAPTOR, CONVERSION 2P (AR) | |
| * 357 | 1-452-879-11 | MAGNET | |
| ⚠401 | 8-820-020-01 | OPTICAL PICK-UP KSS-213D/Q-NP | |
| 402 | 1-769-069-11 | WIRE (FLAT TYPE)(16 CORE) | |
| ⚠CNP901 | 1-558-943-41 | CORD, POWER (E,MX,PX) | |
| ⚠CNP901 | 1-575-651-21 | CORD, POWER (AEP,EE,CIS,AR,SAF) | |
| ⚠CNP901 | 1-696-845-21 | CORD, POWER (AUS) | |
| ⚠CNP901 | 1-751-522-11 | CORD, POWER (UK) | |
| FL601 | 1-517-617-11 | INDICATOR TUBE, FLUORESCENT | |
| HP101 | 1-500-093-11 | HEAD, MAGNETIC (PLAYBACK) | |
| HRPE101 | 1-500-094-11 | HEAD, MAGNETIC (REC/PB/ERASE) | |
| M1 | X-3371-223-1 | MOTOR ASSY (CAPSTAN) | |
| M2 | A-2004-410-A | MOTOR ASSY (TRIGGER) | |
| M101 | X-4917-523-4 | MOTOR ASSY (SPINDLE) | |
| M102 | X-4917-504-1 | MOTOR ASSY (SLED) | |
| M201 | A-4660-977-A | MOTOR ASSY (TABLE) | |
| M901 | 1-698-792-11 | FAN, DC | |
| ⚠T501 | 1-431-139-11 | TRANSFORMER, POWER (AEP,UK,EE,CIS) | |
| ⚠T501 | 1-431-140-11 | TRANSFORMER, POWER (E,MX,AR,AUS,PX,SAF) | |
| ********** | | | |
| | | ACCESSORIES & PACKING MATERIALS | |
| | | ********** | |
| | 1-475-045-11 | REMOTE COMMANDER (RM-SE2AV)(SAF) | |
| | 1-501-374-11 | ANTENNA, LOOP (SAF) | |
| | 1-501-659-41 | ANTENNA (FM)(SAF) | |
| | 3-859-538-11 | MANUAL INSTRUCTION (ENGLISH)(SAF) | |
| | 4-981-643-01 | COVER, BATTERY (FOR RM-SE2AV)(SAF) | |
| ********** | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | ********** | |
| | | HARDWARE LIST | |
| | | ********** | |
| #1 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S | |
| #2 | 7-685-871-01 | SCREW +BVTT 3X6 (S) | |
| #3 | 7-685-872-09 | SCREW +BVTT 3X8 (S) | |
| #4 | 7-685-650-79 | SCREW +BVTP 3X16 TYPE2 N-S | |
| #5 | 7-685-862-09 | SCREW +BVTT 2.6X6 (S) | |
| #6 | 7-685-131-19 | SCREW +BTP 2.6X4 TYPE2 N-S | |
| #7 | 7-685-534-19 | SCREW +BTP 2.6X8 TYPE2 N-S | |
| #8 | 7-621-775-10 | SCREW +B 2.6X4 | |
| #9 | 7-685-533-19 | SCREW +BTP 2.6X6 TYPE2 N-S | |
| #10 | 7-623-921-01 | RING, RETAINING, CAPSTAN | |
| #11 | 7-621-775-00 | SCREW +B 2.6X3 | |
| #12 | 7-621-255-15 | SCREW +P 2X3 | |

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.



Sony Corporation
Home A&V Products Company



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